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JULY 3, 1948

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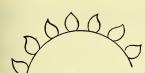
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Another thing: if you aren't already displaying Bob Martin's in your window or on your counter, now's a good time to start. There's nothing like a Bob Martin display-piece to make a customer who has come ir for a bottle of aspirins say "And that reminds me. . . ." For a ful list of available display material see page 6 of the June 'Lead'.

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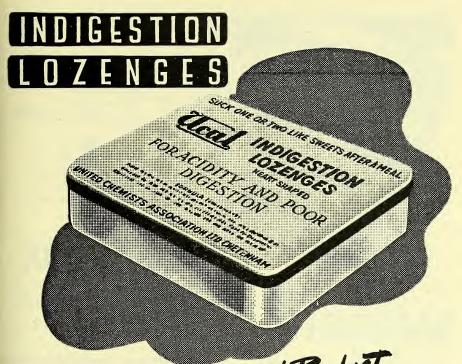
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THE Medical profession is giving yeast its true status as an essential source of Vitamin B and proteins—as a food and not a mere pick-me-up. Yestamin advertising helps to spread this truth and the nation-wide sales of Yestamin show that daily yeast is recognised as an important contribution to the health value of a restricted national diet.

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Yestamin DAILY YEAST

THE ENGLISH GRAINS CO. LTD. BURTON-ON-TRENT

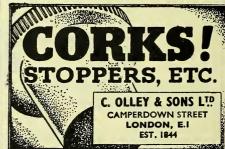
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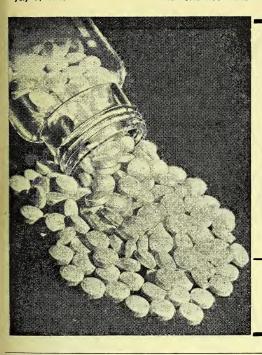
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Deptford

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Notable visitors have included Queen Elizabeth, who dined with Sir Francis Drake on board his ship, the "Golden Hind." Oliver Cromwell, Charles II, "Howard of Effingham" and Grinling Gibbons also spent some time in this area.



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BOXES OF 60 TABLETS

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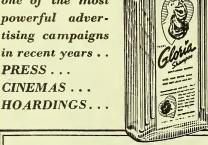
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- Gives hair extra shine.
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PRESENTING

TRIBUSOL

ANTISEPTIC FOOTPOWDER

WHAT IS TRI-BUSOL?

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WILL TRI-BUSOL SELL?

A nation-wide advertising campaign will create a tremendous market for

Tri-busol. There is no other similar footpowder on the market. Order now in readiness to meet the demand.

WHAT DOES TRI-BUSOL COST?

Tri-busol will retail at 3s. 6d. per container, which will allow you a very generous margin. Remember that best terms can be obtained if you order other Griffiths Hughes products at the same time.

WHO MAKE TRI-BUSOL?

E. Griffiths Hughes, Ltd., are the makers, famed for their Kruschen Salts, Radox, Digestif Rennies, Karsote Inhalent, Baxen, Wex, Kwells, Karswood Dog Powders, Pig Powders, Poultry Spice, etc. Send your order to E. Griffiths Hughes, Ltd., Adelphi, Manchester, 3.

TRIBUSOL

ANTISEPTIC FOOTPOWDER





* KOTEX has decided to continue with the plain box with "tear-off" strip. Simply remove the perforated strip and the plain box is ready for sale.

KOTEX

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Seymour Road, LEYTON, E.10

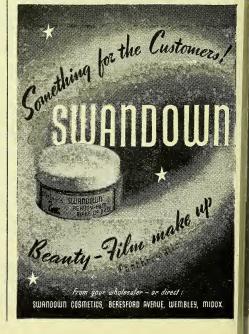
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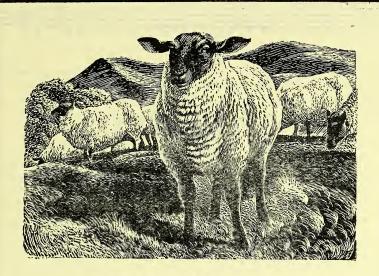
"Kern House," 36/38 Kingsway, London, W.C.2

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(ORF) Vaccine



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183-193, EUSTON ROAD, LONDON, N.W. I

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Registered Trade Mark

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20 at 26/9, and 50 at 64/3 20 at 51/6, and 50 at 126/-20 at 92/6, and 50 at 229/-

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CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

JULY 3, 1948

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Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

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NEWS OF THE WEEK

Toilet Preparations Decontrolled.—The control on the manufacture and supply of toilet preparations has been lifted since July 1 by the Toilet Preparations (Revocation) Order, 1948, issued by the Board of Trade on June 29.

Scots Vote Against N.H.S. Terms.—In a postal ballot concluded on June 29 to determine the attitude of all Scottish chemists to the Department of Health's offer of an average dispensing fee of 1s. 3d., 99 per cent. voted against acceptance (see p. 31).

Ulster Chemists Reject Terms.—At a mass meeting of chemists held in Belfast on June 29, terms of remuneration offered by the Northern Ireland Ministry of Health for pharmaceutical services under the Health Services Act, were rejected by an overwhelming majority.

Teaching Hospital Governors. — The Minister of Health (Mr. Aneurin Bevan) has made an Order under the National Health Service Act, 1946, appointing the chairmen and members of the Boards of Governors of the twenty-six teaching hospitals in

London. The Boards include members appointed on the nomination of the University of London, the Metropolitan Regional Hospital Boards and medical and dental teaching staffs of the hospitals, and others appointed following consultation over a wide field of recommending bodies including the governing bodies of constituent hospitals in the teaching groups. The list of governors includes the following pharmacists:—Messrs. A. J. Espley (Queen Charlotte's and Chelsea), W. K. Fitch (Middlesex), J. W. Hadgraft (University College), and E. T. Neathercoat (St. Bartholomew's).

Statutory Committee's Findings.—The Statutory Committee of the Pharmaceutical Society gave its decision, at a hearing on June 23, that a member who was alleged to have treated a man for an eye injury was not guilty of any departure from proper conduct. The member stated that on each of five visits the man had been urged to see a doctor. The chairman said he was satisfied that the material parts of the man's declaration were not in accordance with the facts; the member must regard himself as

"completely clear of every suggestion that he was guilty of any behaviour that could be deprecated." After hearing a second case, which concerned Robert Leslie Johnson, 10 Prudential Buildings, Slough, Bucks, who had been convicted at the Central Criminal Court, London, on April 6, on charges of receiving dentifrice, which he knew to have been stolen or unlawfully obtained, the Committee directed that his name should be erased from the register.

Metric Equivalents.—A monograph on methods of including equivalent metric values in scientific papers has been published by the Department of Scientific and Industrial Research. The proposals put forward give effect to a resolution passed by the Royal Society Empire Scientific Conference, 1946. Copies may be obtained from H.M. Stationery Office.

North British Executive.—In the recent

election for the North British Executive of the Pharmaceutical Society, 2,961 voting papers were issued and 723 valid papers returned. The results were as follows:—

BENNETT, Frederick W. M. 506

DENNETT, Frederick W. M.		500
Drummond, Charles G		480
Coutts, Charles		449
Anderson, John		427
Neilson, Thomas		410
Culbert, William S		405
GILMOUR, Andrew B		403
LAMB, George T		373
Macfarlane, Charles W.		372
McAdam, Robert		364
Elder, William T		352
Connan, John A		341
Graham, Robert S		337
Tainsh, John H		329
Murray, Alexander		327
THOMAS, Henry T		327
Simpson, John		308
CULBERT, Hugh S		305
	ted.	
McKellar, Alexander Mcl	[, ,,,	283
Hedderwick, George		281
Mair, William		274
EADIE, John		266
BUCHANAN, Thomas W		251
ROBERTSON, Archibald		241
COCHRANE, Thomas G		240
Moncur, Douglas A. R		235
Anderson, John Melvin		213
MACDONALD, John		201
Hughan, Samuel		186
WILLIAMSON, James, M		182
The president (Mr. H. C. SI	iaw),	vice-

The president (Mr. H. C. Shaw), vicepresident (Mr. J. F. McNeal), and Mr. A. A. Meldrum, Aberdeen, are ex-officio mem-

bers of the Executive.

LOCAL NEWS

Thames Valley Rota Offer.—The committee of the Thames Valley Branch of the Pharmaceutical Society states that it is willing to assist members in forming rotas under the National Health Service. Members are invited to communicate with Mr. D. Hocking (secretary), 37 The Avenue, Surbiton, or to Mr. O. L. Crossley (president), 42 Richmond Road, Kingstonon-Thames.

Welsh Insurance Committee Closes.—At the final meeting of the Association of Welsh Insurance Committees at Swansea on June 22, Dr. William Parker (president) said that more than 105,000,000 prescriptions had been dispensed in Wales in the lifetime of National Health Insurance. In 1947 the record number of prescriptions for Wales had been 3,500,000 at a cost of £300,000, equivalent to 7s. Id. per insured person. A resolution was passed formally dissolving the Association with the end of its functions on July 4.

Edgware Employees Organise. — At a meeting of the Hendon and Edgware Branch of the Pharmaceutical Society held at Edgware on June 14, Mr. J. Hearle (2 member of the N.P.U. Negotiating Committee) gave an address on the terms and conditions of the pharmaceutical service ir the National Health Service. He showed how the N.P.U. plan, based on the Roskil Report, had been found to fit in with the Working Party's report. He then described the state of the negotiations at that itm and gave his opinion of the Ministry' viewpoint. Many questions were asked and a resolution passed by a large majorit asked the Negotiating Committee to pres for an average dispensing fee of 1s. 3d, and a 50 per cent, oncost. A suggestion tha branches should assist employee member to get together to elect employee representatives to local Pharmaceutical Commit tees was discussed. Following the branc meeting, a meeting of employee pharmacist took place and plans were made for form ing an active employee organisation in th Hendon and Edgware area.

Final Meeting and Dinner.—The fine meeting of the Glasgow Burgh Pharmacet tical Committee held on June 21 was fo lowed by a dinner at which the chief gues were Messrs. W. S. Phillips (clerk to the Glasgow Burgh Insurance Committee) and A. W. Beattie (clerk to the Drug Accoun Committee). Mr. MacSween (vice-chai

man) called on Mr. Phillips to present to Mr. Ferguson (chairman) a wristlet watch as a token of appreciation from the Committee. Mr. Phillips recalled the pleasant relationship that had existed between the Pharmaceutical Committee and the other bodies in the working of the National Health Insurance scheme in which Mr. Ferguson had, since its inception, played an important part. Mr. Ferguson, expressing his thanks for the gift, said it would always be associated with many happy memories. Mr. Murray proposed "Our Guests." Mr. Beattie, replying, paid a tribute to the courtesy and consideration extended to him since he had taken up his duties at the pricing bureau. He hoped the new service, which would greatly increase the work of the pricing bureau, would be a success. Mr. A. B. Gilmour (formerly clerk to the Drug Accounts Committee) described some of his experiences while administering the pricing bureau since its inception in 1915.

IRISH NEWS

N.I. Examination Results.—The following candidates were successful in the examinations conducted by the Pharmaceutical Society of Northern Ireland in June:—

Final (part II): Iean Blair, Muriel Blair, S. Davis, W. A. Hassard, Laura J. Headon, S. C. Kerr, R. S. Lewis, M. B. McBride, J. E. L. McFarland, R. McGovern, J. Mclaughlin, B. O'Reilly, J. F. Purce.

Final (part I): B. M. Anglin, A. F. Bromley, W. Collins, B. J. Connolly, D. D. Connolly, G. P. J. Connolly, W. P. J. Gorman, M. Gunning, G. P. Hannon. J. J. Higgins, M. Hollywood, S. M. Kernohan, J. Kerr, F. B. Leyden, W. C. Magee, J. I. V. Marshall, J. C. McCrea, P. L. McGrath, I. F. McNeilly, W. F. McStay, Norma M. Robinson, K. J. Smith, G. A. Wray.

Ulster Chemists' Golf.—The McMullan cup competition at the Ulster Chemists' Golfing Society's June meeting at Craigavad, was won by Mr. J. C. Watt, Bangor, who defeated Mr. W. Powell, Bangor, in the final. The wholesale section was won by Mr. J. Jeffers, Cliftonville, with Mr. H. Rankin, Cliftonville, as runner-up. Mr. H. Marshall. Belvoir Park, had the best gross score and was the winner of the bogey competition in which Messrs. J. A. Brown, Fortwilliam, and E. Allen, Holywood, were also placed. At the annual business meeting of the Society at which the captain (Mr. W. McCutcheon) presided, Mr. J. McRoberts was re-appointed Treasurer and Mr. W. H. Boyd Secretary.

re-elected. The prizes were presented to the winners by Mr. F. A. McMullan.

Ulster Chemists' Association .- At the June meeting of the Executive Committee of the Ulster Chemists' Association, Mr. J. C. Acheson (president) in the chair, the following new members were elected:—
A. Dundee, Templepatrick (branch of Glengormley business), and J. Williamson, Belfast (successor to Mr. W. Gilmore). The following who had already been approved by the Associates' Committee were elected to associate membership: Mr. R. Mulligan (pharmaceutical chemist); Messrs, D. Camlin, and E. F. Campbell, and Miss M. B. McDermot (assistants); Miss S. M. Brannigan, and Messrs. M. J. McAvoy and D. A. Vaughan (apprentices). At a meeting of the Associates' Committee on June 24, Mr. J. G. McGivern, Ph.C., in the chair, the following were approved for associate membership: Miss Irene M. Guy (pharmaceutical chemist), and Miss Margaret Eastwood (apprentice).

Gaelic Sport Successes. — If the Eire Chemists' Gaelic Football Club wins its final fixture of the season it will retain its place in the Dublin Senior League for next season. The intermediate team is amongst the last six teams in the "loving cup" competition and it is hoped that it will reach the The ladies' Camogie semi-final stage. Gaelic Club, by heading the Dublin Intermediate Camogie League, becomes the first senior pharmaceutical students' club to win a trophy. Members of the team were present at a dance held recently under the auspices of the Pharmaceutical Chemists' and Students' Social Committee. Also present were the president of the Pharmaceutical Society of Ireland (Mr. P. A. Brady), the vice-president (Mr. T. C. Scott), and the treasurer (Mr. J. Gleeson), the Misses Cora Gaffney (chairman, Camogie Club), Peggy Fallon (chairman, Students' Representative Council, and secretary, Camogie Club), and A. Hughes (club treasurer). Mr. Brady was introduced to the team by Lieutenant Seamu; Fox (chairman, social committee), and presented the cup to the acting captain of the winning team (Miss K. Noonan). Owing to illness the Captain (Miss N. McEnroe) was unable to be present. Members of the winning team were the Misses N. McEnroe (Captain), C. Garland, K. Noonan, T. Fenlon, E. Murphy, M. Fitzpatrick, P. Walshe, M. Bermingham, C. Graham, P. Feehan, J. McNulty, A. Dorrian, M. Lynch, G. O'Toole, P. Fallon, and A. Hughes.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

The Minister of Food was asked by Mr. J. Harrison to increase the supply of hard soap, as distinct from soap powders, etc., available for sale in the shops in and around Nottingham. Dr. Edith Summerskill (Parliamentary Secretary) replied that the Ministry had arranged for the distribution of domestic hard soap to be increased by approximately 7 per cent. from March I last, and the general supply position had already improved. They had had no complaints of shortage of hard soap from the Nottingham area for some months, but if Mr. Harrison knew of a shortage in a particular district she would investigate it.

Traders and Purchase Tax

During the week SIR STAFFORD CRIPPS refused both in questions and debate to take steps to relieve traders who might suffer from purchase tax changes. He was asked by Mr. J. BOYD-CARPENTER on June 22 whether he had considered representations made by the Kingston-on-Thames Chamber of Commerce upon the inability of traders to claim refunds of purchase tax on goods held in stock on occasions when purchase tax was officially withdrawn or reduced, and what action he proposed to He replied that there was no legal authority for refunding the tax in such circumstances and it would be impracticable to attempt to do so. He would not consider, he said, in reply to a second question by Mr. Boyd-Carpenter, the assumption of some legal authority in view of the widespread hardship.

Private and N.H.S. Patients

The Minister of Health was asked by MRS. LEAH MANNING on June 24 if he was aware that certain doctors were urging patients who applied to be placed on their register to remain as private patients on the grounds that they would in that event receive better attention and be entitled to certain drugs that they could not have as National Health patients, and what steps he proposed to take to prevent such action.

Mr. Aneurin Bevan: I trust there have not been many such cases and I am confident that doctors will not attempt to discriminate between those who use the service and those who do not. Moreover, I welcome this opportunity to make it clear that patients are entitled under the

new Health Service without restriction to every kind of drug and appliance necessary for their treatment. Indeed, any doctor who failed to prescribe these drugs would be breaking his terms of service. [Editorial comment, p. 17.]

DR. HADEN GUEST asked whether Mr. Bevan was aware that the British Medical Association took the strongest view of the improper conduct which a few doctors had been following and that they were taking action to bring this to the attention of the whole profession.

MR. BEVAN replied that he was happy to think that the vast majority of the medical profession frowned disapprovingly on

these practices.

MR. HUGH N. LINSTEAD was informed by the Minister of Health on June 25 that invitations to serve on the Central Health Services Council would shortly be sent out.

FIFTY YEARS AGO Genesis of a Rota

(From the C. & D., July 2, 1898) THERE was a certain ingenuity about the method adopted by M. Tambareau, a pharmacist of Oran, in the French colony of Algeria, when he had the idea of giving every customer who came with a prescription from the Out-door Relief Office of the town a pound of bread in addition to the medicaments ordered on the recipe. But the other local pharmacists complained that this was unfair competition, and the municipal authorities found there was a marked disposition on the part of the in-digent poor to plead an ailment, when all they wanted was free bread. So it came about that the municipal doctors received instructions to indicate the names of the various pharmacists of the town in rotation on their prescriptions, and, if necessary (this must have been when the patients looked particularly hungry), to send a policeman with the patient to see that, in a moment of absent-mindedness, he did not go to M. Tambareau's pharmacy by mistake. the latter brought an action against the municipality on the ground that every trader has the right to use such way of advertising as he may choose, providing it is legal, and won his case, no clause in the contract between the pharmacists and the town existing to the effect that any particular pharmacy would be indicated or the prescriptions.

TOPICAL REFLECTIONS

Publication of Scientific Research

The Royal Society conference on methods of publishing scientific research (p. 832) is, by the very fact of its being held, a measure of the importance attached to this long-existing problem. From the start of the conference a correspondence developed in "The Times" on the issue of how monographs should reach the journals best suited to them. On the one hand certain of the correspondents stated that a central body had been advocated which, acting like a kind of post office, would collect and distribute scientific papers: some saw in such a scheme a danger of arbitrary censorship and even of deliberate propaganda. issue is, however, not quite so simple as this. A correspondent at Edinburgh University pointed out that "the marginal aspects of one's researches are often the most fascinating and for that reason the most likely to be productive of original work undertaken at the stimulus of per-sonal curiosity." To range widely through scientific publications covering other fields than one's own may give "valuable clues to new*lines of research." Again, as a Plymouth correspondent remarked. vate" research workers holding independent views may find it necessary to have their work published at their own expense. How, then, is overlapping in publication to be avoided? Whether ASLIB has been asked to advise at this juncture I do not know; but there ought to be, among the systems of indexing now in favour, at least one that will commend itself for scientific use. Only the other day I read of a new "strip" index by means of which, it is claimed as the result of a test, the name and registration number of a company can be found in thirty seconds among 250,000 entries.

A Popular School

The illustrated article on the Liverpool School of Pharmacy (pp. 827-29) is a reminder of the continuing success of an institution long popular in British pharmacy. When the British Pharmaceutical Conference met in Liverpool in 1920, with Mr. H. Humphreys Jones the esteemed head of the School of Pharmacy, as secretary of the Local Executive Committee, there were in Great Britain (if I have counted correctly) eleven personally owned schools of pharmacy; many of us have seen with regret their gradual disappearance during the

intervening years. Notwithstanding the fluctuations of fortune that most enterprises founded on independent lines undergo, there has long been in Liverpool an atmosphere of intellectual interest favouring the work of educational institutions. This is well seen in the early history of the Liverpool Chemists' Association. Soon after its formation in 1849 the Association arranged lectures for assistants and apprentices; one of the lecturers was Dr. Sheridan Muspratt, and among the prizewinners in 1859 was Mr. (afterwards Sir) Dyce Duckworth. The formation of a collection of materia medica at the Liverpool Royal Institution, and a successful effort to induce the City Council (then called the Town Council) to group medicinal plants at the Botanic Gardens, were further signs of its interest in education. Distinguished visitors to scientific meetings or social functions included Sir Henry Roscoe and Sir William Crookes. The analytical connection of Mr. Edward Davies with the Maybrick case is not, I think, widely known, though it must have been reported at the time. Occasional references to that event still awaken memories among those of us who were old enough to read newspapers

A Famous Antidotarium

As "Kalamos" points out (p. 837), the Antidotarium of Nicolaus of Salerno had a long life as a book of reference for apothecaries. The reason is clear: it met a want. Without its 140 formulas, mediæval physicians and apothecaries would have had to consult lengthy manuscripts (for printing had not arrived) by Avicenna, Mesue and others. As far as I know, the earliest manuscripts of the formulary date from the thirteenth cen-tury; the British Museum has several of that and the following century. Dr. Dorveaux states, in "L'Antidotaire Nicolas, that this and another work by the same author or editor were the codex of apothecaries of all countries till the appearance of regional pharmacopæias. The bestknown of these regional authorities was. I believe, the Dispensatorium of Valerius Cordus, published in Nürnberg in 1546. Evidence of the use of the Antidotarium in our own country is not easy to find; but we may be certain that, with the constant traffic which took place between Britain and France in the Middle Ages, the book found its way here. Xrayser

COMPANY NEWS

PHARMODROG, LTD. (P.C.).—Capital £1,000. Chemical manufacturers, etc. Alexander Eldon, Wilfrid A. Evill and Gustav Munz, directors. R.O.: 57 Carter Lane, London, E.C.

Winasco, Ltd. (P.C.).—Capital £100. Manufacturers of and dealers in soap powders, cleansing substances, etc. R.O.: 324 King Street, Hammersmith, London, W.6.

RIDONIK, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of chemicals, drugs, medicines, etc. William T. Norman and James I. Robertson, directors. R.O.: 39 Cheapside, London, E.C.2.

CLIVE CHEMICAL Co., LTD. (P.C.).—Capital £500. To carry on the business of manufacturers of, and dealers in, bleaching and washing powders, chemicals, etc. John I. Powell and Vincent Roberts, directors. R.O.: 9 Park Place, Cardiff.

Halls Products (Luton), Ltd. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in all kinds of soap, chemists' sundries, etc. W. J. Mabley and F. W. Hall, directors. R.O.: 78 Willow Way, Luton, Beds.

CHARLTON SINCLAIR (U.K.), LTD. (P.C.).—Capital £200. To carry on the business of manufacturers of pharmaceutical preparations, toilet goods, etc. First directors are to be appointed. R.O.: 22 Charing Cross Road, London, W.C.2.

KINGSLAND CHEMISTS, LTD. (P.C.). — Capital £100. To carry on the business of chemists, druggists, etc. Jack Hyman and Francis J. Almeyda, directors. R.O.: 1 Dover Street, London, W.1.

Dundamor Products, Ltd. (P.C.). — Capital £1,000. Manufacturers and packers of detergents, toilet goods, cosmetics, etc. Leon T. Dunning, 144 Stewart Street, Crewe; Noel Morrey, 25 Lawton Street, Crewe, directors.

Mentor Products, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of pharmaceutical and chemical preparations, etc. K. L. Martin and Ann Martin, directors, 8 Palewell Park, London, S.W.

SILF Co., LTD. (P.C.).—Capital £500. To enter into an agreement with P. J. Williams Properties, Ltd., and to carry on the business of dealers in Silf. Mrs. Da'sy M. Williams. 23 Rave ascourt Park, London, W.6, and John W. Payne, 4 Vigo Road, Grange Park, London, N.21, directors.

EXECUTIVE PERFUMERS, LTD. (P.C.). — Capital £100. To carry on the business of perfume and soap manufacturers and manufacturing chemists and druggists, etc. Mark Labovitch, Neville Labovitch and John E. Goodman, directors. R.O.: 15 Bond Street, Leeds.

S. Maw, Son & Sons, Ltd.—Brigadier A. R. W. Low, C.B.E., D.S.O., M.P., has been appointed chairman of the company.

VITAMINS, LTD.—Net profit for financial year ended March 31 was £56,888. Directors recommend dividend of threepence per share, less income tax, to be paid on July 15. Voluntary Liquidation. — Thomas Robinson Manufacturing Chemistrs, Ltd., Boundary Street East, Marchester.—The interested creditors were summoned together recently at Manchester, when the statement of affairs showed liabilities of £8,212. In addition there were fully secured creditors for £2,552. The assets totalled £11,319, estimated to realise £9,115. There had to be deducted £7779 for preferential claims, leaving net assets of £8,336, or a surplus of £124. The issued capital was £7,500, and so far as the shareholders were concerned there was a deficiency of £7,376. The company was registered in September 1946 with a nominal capital of £25,000, and during the period to March 1947 there was a net loss of £3,091. In the following twelve months the turnover was £21,305, but there was a net loss incurred of £3,026. Between April 1 and June 9 of the present year the turnover was £1,095, with a net loss of £1,096. A resolution was passed confirming the voluntary liquidation of the company with Mr. Arthur T. Eaves, of Messrs. Harry L. Price & Co., 47 Mosley Street, Manchester, and Mr. John Maxwell, of Messrs. John Adams, Son & Co., Chancery Place, Manchester, as joint liquidators.

LEGAL REPORT

Compound for Tenderising Meat.-At Blackburn, recently, Papain Products, Ltd., 5 Rampayne Street, London, S.W.1, were summoned for selling to a sampling officer a meat "tenderiser" not of the quality demanded and containing benzoic acid. For the Blackburn Corporation (the prosecutor) it was stated that the product was sold in bottles and was brushed on meat before cooking to make it more tender. The sampling officer bought three bottles of it from a local retailer and had the product analysed. A public analyst said that benzoic acid, one of the ingredients (the others were papaya and acetic acid) was a preservative. He agreed that the only complaint concerned the presence of benzoic acid and that its presence was mentioned on the label; he agreed also that it would not be dangerous to brush benzoic acid in that proportion on meat, and that, if sodium chloride were used instead of benzoic acid, there could be no complaint. Defence then stated that, since February, the tenderiser had been manufactured in that form. The preparation now enjoyed, it was claimed, the full approval of the Ministry of Food. After an adjournment, and without calling evidence for the defence, the bench announced that they found the information and the summons were incorrect; they dismissed the case.

BIRTH

Hanna.—On June 15, Eithne, wife of G. D. Hanna (a director of Victor E. Hanna, Ltd., 68 Lower Mount Street, Dublin), of a daughter (Jenifer Eithne).

MARRIAGE

TAYLOR-DOHERTY.—At Cockenzie, Prestonpans, East Lothian, on June 19, Thomas Earl Taylor, M.P.S., c/o 53 High Street, Cockenzie, to Georgina Margaret Doherty, Cockenzie.

DEATHS

BENNETT.—At 42 Brownlie Street, Glasgow, recently Mrs. Elizabeth Ellen Gallagher Bennett, widow of the late Mr. James Bennett, M.P.S.

Dennis.—On June 13, Mr. William Dennis, M.P.S. 27 Alfred Road, Cromer, Norfolk, aged seventy-two. Mr. Dennis, who was a life member of the Pharmaceutical Society, qualified in 1897.

HACKETT.—At his home at Greasley, Ches, on June 24, Mr. J. T. Hackett, a former chairman of J. T. Hackett & Co. manufacturing chemists, Liverpool. aged seventy-nine. Mr. Hackett was a member of Bootle borough council for a number of years, and served as mayor of the borough in 1945.

Harcus.—Suddenly, on June 5, Mr. John Sinclair Corner Harcus, M.P.S., New Scapa Road, Kirkwall, Orkney. Mr. Harcus qualified in 1910.

HOPKINS.—At 195 Mortlake Road, Kew Gardens, Surrey, on June 20, Mr. Hubert Gordon Hopkins, M.P.S., aged forty-three. After qualifying in 1929, followed by experience in retail business with Mr. Wilkie, Balham, London, S.W., Mr. Hopkins represented Genatosan, Ltd., for twelve years and joined Thomas Kerfoot & Co., Ltd., as a London representative in January 1948.

Lund. —Recently, Mr. Frederick Arthur Lund, M.P.S. (N. A. Lund, Ltd., 94 Westborough, Scarborough). Mr. Lund, who qualified in 1904, went to Scarborough as manager for the late Mr. E. R. Cross, M.P.S., whose business he later took over.

PICKEN.—Recently. Mr. Charles Reynolds Picken, M.P.S., 121 High Street, Newport, Salop, aged seventy-four. Mr. Picken, who had been in business in Newport for over fifty years, was a son of the late Mr. T. W. Picken, M.P.S.

WILLS

Mr. W. Nicol, M.P.S., 6 Mingarry Street, Kelvinside, Glasgow, left £2,814.

MR. H. E. BAILEY, M.P.S., 64 Highgate High Street, London, N.6, left £4,424 (£3,218 net). MR. A. E. BELL, M.P.S., 57 Poulders Gardens.

Mr. A. E. Bell, M.P.S., 57 Poulders Gardens, Sandwich, Kent, left £7,647 (£7,554 net).

Mr. A. W. Herbert, M.P.S., 108 Bromham Road, Bedford, left £6,067 (£5,909 net).

Mr. C. E. Digges, P.C., M.P.S.I., Belmont Gardens, Dublin, left £9,719.

Mr. F. Pitt, M.P.S., 192 Overdale Road, Downend, Bristol, left £143.

Mr. T. HILL, M.P.S., 4 Claremont Park, Highgate, London, N.6, left £2,788 (£2,602 net).

Mr. A. H. Pearce, M.P.S., 2 Bridgewater Street, Whitchurch, Salop, left £6,715 (£6,664 net).

Mr. E. W. Smith, retired pharmacist, 75 Priory Crescent, Bridlington, Yorks, left £8,211 (£8,170 net).

MR. C. BAYLEY, M.P.S., Sunnyside, Uppingham, Rutland, formerly of Clacton-on-Sea and Frinton-on-Sea, Essex, left £24,324 (£19,814 net).

MR. F. W. GRIMWADE, Grove House, Whyteleafe, Surrey, formerly managing director of Drug Houses of Australia Export, Ltd., and for many years a partner in Grimwade, Ridley & Co., left £63,077, (£62,376 net).

SIR ALEXANDER CAMPBELL MACLEAN, Strathavon, Bournemouth, Hants, founder of Macleans, Ltd., Brentford, Middlesex, left £286,922 (£284,637 net). He bequeathed £5,000 to the Victoria Cottage Hospital, Bournemouth, for the purposes of cancer research.

MR. H. N. CLARK, 11 Duchy Road, Harrogate, Yorks, a director and former managing director of Beatson, Clark & Co., Ltd., glass and bottle manufacturers, Rotherham, Yorks, left £29,992 (£29,492 net).

Mr. E. C. Butler, Ph.C., 75 Dukes Avenue, Chiswick, London, formerly chairman and managing director of Willows, Francis, Butler & Thompson, Ltd., wholesale chemists, left £25,272 net).

BUSINESS CHANGES

F. H. STEELE & Co., LTD., Blackrock, co. Dublin, have appointed Mr. Michael G. McKenna, L.P.S.I., to their staff of representatives.

DENNISON & GRAHAM (G. H. M. GRAHAM) have opened a branch pharmacy at 245 Shields Road, Newcastle-on-Tyne.

STEPHENS BROTHERS & BANNER, LTD., have removed to 1A Aberavon Road, Mile End, London, E.3 (Telephone: Advance 1262).

PHILLIPS RESEARCH CORPORATION, LTD., have appointed Boileau & Boyd, Ltd., 91 Bride Street, Dublin, C.7, as their agents in Eire and Northern Ireland.

THE PLASTICS MATERIALS SECTION of the Raw Materials Department, Board of Trade, has been transferred to I.C. House, Millbank, London, S.W.1 (Telephone: Whitehall 5140, Extension 387).

TRADE NOTES

Distribution Change. — From July 1, Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, have undertaken the sole distribution of Anti-bi-san.

Restyled. — Spratt's Patent, Ltd., 41 Bow Road, London, E.3, are reissuing in a new series of red and white packets the dog and cat medicines of which they have been manufacturers for over eighty years.

Price Reduced. — A change in the method of manufacturing the Modern anticolic teat has enabled the makers, Cannon Rubber Manufacturers, Ltd., 5A Welbourne Road, London, N.17, to reduce the cost by one-third. Details are given on another page.

Supplies to Continue.—Following damage by fire on June 26 to the premises of S. Smith & Co., 132 Borough, London, S.E.1, the company has made arrangements to continue manufacturing, and to execute all orders from customers, with as little delay as possible.

Immunisation Propaganda.—The Ministry of Health is sending out to local authorities a circular and brochure-wallet giving particulars and examples of advertisements booked and leaflets and other publicity matter available in the campaign for immunisation against diphtheria.

Corrigenda. — May & Baker, Ltd., Dagenham, Essex, point out that Phytodermine powder contains methyl-p-hydroxybenzoate; the cream contains phenylmercuric acetate. The company's booklet on Planocaine contains a chapter on general analgesia (not anæsthesia as inadvertently suggested in these columns recently) with intravenous procaine.

Increased Prices Approved. — In consequence of heavy increases in the costs of raw materials used in the manufacture of surgical dressings, particularly raw cotton and cotton yarns, Robinson & Sons, Ltd., Wheat Bridge Mills, Chesterfield, have secured the approval of the Central Price Regulation Committee for new increased prices which are to come into force on July 5.

Holidays and Outing.—J. H. HAYWOOD, LTD., II Warser Gate, Nottingham, announce that their offices and warehouse will be closed on July 5 on the occasion of the annual outing of the company.—The factory of KAYLENE, LTD., Waterloo Road, London, N.W.2, will be closed for annual

holidays from August 2 to August 16, inclusive. A skeleton staff will be in attendance to deal with urgent orders.

Chemicals List. — Home and export editions of a new 32-page price list of chemicals issued by Carnegie Chemicals, (Welwyn), Ltd., Welwyn Garden City, Herts, are now available. A distinctive feature of the list is a series of botanical or structural diagrams in white on different colours for products in various groups (e.g., iodides, quinine, strychnine) in which the company is interested.

Ten Years' Production.—To mark the completion of ten years of oil-refining operations in Britain, a 32-page quarto booklet "The First Ten Years" describes and illustrates the refineries of the Manchester Oil Refinery, Ltd., and associated companies. The same group of companies is publishing "Oil," a monthly dealing with uses and applications of petroleum compounds and derivatives.

An Egyptian Proprietary. — Visnagalin, a preparation of khellin (the active principle of Ammi visnaga) is manufactured by Galenus Pharmaceutical Laboratories, 6 Kholousy Street, Manial Road, Cairo, Egypt, who invite chemists in Britain to purchase an initial consignment of the proprietary for introduction to members of the medical profession. Khellin has a strong vasodilatory and antispasmodic action.

Air Freights Exchange. — An Air Freights Advisory Committee has been set up by the Baltic Shipping Exchange, St. Mary Axe, London, E.C.3, to provide the same sort of services for cargo-carrying aircraft as have been, for tramp steamers, centred on the Baltic Exchange. A list of member firms already actively engaged in air freight business is available on application to the secretary of the Committee.

Penicillin Prices Reduced.—Reductions in the prices of penicillin (crystalline and coloured calcium and potassium salts, oily injection and suspensions) are announced by the DISTLLERS CO., LTD., Speke (on behalf of seven recognised distributors); GLAXO LABORATORIES, LTD., Greenford, Middlesex; and IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD., Alderley Edge, Manchester (including Avlon brand penicillin products). Details of the new levels may be found in the advertisement pages of this week's issue.

Free Display Stand. — Addis, Ltd., Hertford, offer an attractive new metal demonstrator-display stand for Wisdom toothbrushes to every stockist ordering a parcel



of three doz, assorted Wisdom Extra brushes. The stand has a matt black finish to give an effective background for the gaily-coloured Extra brushes. Slots are provided to hold the three demonstration brushes which customers can test for texture before making a purchase. The offer expires on August 15. Penicillin in Ampoules.—Glaxo Laboratories, Ltd., Greenford, Middlesex, have introduced a single-dose penicillin ampoule containing 100,000 units of either freezedried yellow penicillin or crystalline penicillin for injection. The new container ensures complete freedom from humidity during storage and transit, Unless otherwise requested, ampoules in future will be supplied by Messrs. Glaxo against all orders for freeze-dried or crystalline penicillin in 100,000 units; 100,000-unit vials will, however, continue to be available for some time. The new pack is being exhibited at the British Medical Association Exhibition at Cambridge.

Proprietary Articles Trade Association

Alterations to List (Part 1).—Cannon Rubber Manufacturers, Ltd., Reduced prices, July 1, Modern soother, 7s. 1od. doz., 1s. (exempt from tax).

Additions to List (Part 2).—C. E. Fulford, Ltd., Ven-Yusa vanishing cream, 10s. doz., tax 100 per cent., i.r.p. 2s. 1d.

Additions to Protected List (Part 1).—Hirst, Brooke & Hirst, Ltd., Oralax vegetable laxative tablets, 25's, 10s. doz., tax $33\frac{1}{3}$ per cent., inclusive retail price 1s. 6d.

Silktona, Ltd. (distributors, Alfred Franks & Bartlett Co., Ltd.), Silktona liquid stocking, 38s. gross, tax $33\frac{1}{2}$ per cent., i.r.p. 8d.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

AT a meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on June 19, the president (Mr. John McGregor) was in the chair. Also present were Messrs. H. H. Cowzer (vice-president), P. R. W. Shinner (treasurer), Walter C. Tate, H. F. Moore, W. H. Boyd, S. E. Campbell, Charles Abernethy, H. W. Gamble, J. Irwin, Dr. H. D. Heazley and Mr. W. Gorman (secretary). Apologies for absence were received from Messrs. J. McDowell, H. P. Crossin, F. R. Moore, J.P., and W. P. Ewart.

Welcome to New Member

THE PRESIDENT extended a welcome to Mr. Campbell on his first appearance at the Council since his co-option in the place of the late Mr. James Glendinning, saying it was a tradition to have a Londonderry man on the Council.

An application for membership under the reciprocal agreement between the Society and the Pharmaceutical Society of Great Britain received from Mr. W. M. Bruckshaw was approved on the motion of Mr. Cowzer, seconded by Mr. Abernethy.

Certificates of apprenticeship were granted to the following who had submitted the appropriate examination certificates: Peter G. Moore, Randalstown; Ignatius P. Reilly, Omagh; Henry Beirne, Belfast; Arthur Murray, Belfast; Alexander McBride, Belfast; and Patrick Owens, Belfast. A vacancy on the Finance Committee was filled by the appointment of Mr. Campbell on the motion of Mr. Shinner, seconded by Mr. Boyd.

The following members undertook to be present at the forthcoming examinations: The president and Messrs. Cowzer, Shinner, Abernethy, H. F. Moore and Dr. Heazley. The gift of a book for the library from Mr. S. N. Ledlie was accepted

with thanks.

B.P. CHANGES AT A GLANCE

(Continued from The Chemist and Druggist, June 26, p. 836)

New monographs in Black Type. Retained monographs in Capitals. Omissions in [Italics] between square brackets, M.W.=Molecular weight (previous figure in parenthesis). Min.=Minims. gr.=grain. gm.=gram. M.P.=Melting point.

[Extractum Malti cum Oleo Vitaminato.— Given in Addendum II, now deleted.]

EXTRACTUM NUCIS VOMICÆ LIQUIDUM.

EXTRACTUM NUCIS VOMICÆ SICCUM.

[Extractum Opii Siccum].

EXTRACTUM PITUITARII LIQUIDUM.-Monograph modified and renamed "Injectio Pituitarii Posterioris." B.P. 1932 title

is retained as synonym.

EXTRACTUM QUILLAIÆ LIQUIDUM.—Monograph of Addendum V. Doses and strength deleted. Alcohol content, 28 to 34 per cent. v/v (added). Prepara-An ingredient of Emulsio Menthæ and Emulsio Chloroformi Piperitæ.

[Extractum Scillæ Liquidum.—Added by

Addendum V, now omitted].

EXTRACTUM SENEGÆ LIQUIDUM. - Unchanged except for Addendum alteration in alcohol content, 38 to 44 per cent. (instead of 44 to 54%).

EXTRACTUM SENNÆ LIQUIDUM. - Formula modified: Includes Oil of Coriander, mils, and Distilled Water, q.s. Directions are changed to: Heat the mixed liquids in a covered vessel to 80° for not more than three minutes and set aside for twenty-four hours; filter and evaporate the filtrate under reduced pressure at a temperature not exceeding 60°, to 750 mils. Add the oil of coriander dissolved in the alcohol (90 per cent.); adjust the volume to 1,000 mils by the addition of distilled water (instead of chloroform water). Set aside for not less than twenty-four hours; filter.

EXTRACTUM STRAMONII LIQUIDUM.—Monograph of Addendum I. "Mix" added after "Pass the powdered extract through a No. 22 sieve." Assay factor (added): Each mil of N/10 sulphuric acid equivalent to 0.005787 gm. hyoscyamine. Alcohol content, 28 to 44 per cent. (28 to 40 per cent.). EXTRACTUM STRAMONII SICCUM. — Mono-

graph as Addendum I. Assay factor,

0.005787 (0.005784). Ferri Carbonas Saccharatus.—Arsenic limit, 10 parts per million (5 parts per million); Lead limit, 50 parts per million (added). Assay (altered): Dissolve about 1 gm., accurately weighed,

in 20 mils 25 per cent. w/v solution of sulphuric acid in water, in stopflask. Add 6 mils strong solution of iodine monochloride and 60 mils hydrochloric acid; titrate with M/20 potassium iodate until solution becomes light brown in colour; add 5 mils chloroform and continue titration until the chloroform becomes colourless. FeCO3, factor 0.02317.

FERRI ET AMMONII CITRAS. — Instruction to dry "on glass plates" deleted and description includes "or a granular powder" as an alternative to "thin dark red, transparent scales." Lead limit (added), 50 parts per million. Assay factor, 0.005585 (0.005584). Doses, 15 to 45 gr. (Addendum I, 20 to 40 gr.; 1932 B.P., 5 to 15 gr.). Contains in 45 gr. about 9 gr. of iron (15 and about 3).

[Ferri et Quininæ Citras].

[Ferri Subchloridum Citratum.—Added by Addendum I, now deleted].

FERRI SULPHAS.—Contains not less than 98.0 per cent., and not more than the equivalent of 105.0 per cent., of FeSO₄,7H₂O. Lead limit (added), 30 parts per million. Doses, 3 to 5 gr. (1 to 5 gr.).

FERRI SULPHAS EXSICCATUS. — Purity as changed by Addendum VI: Contains not less than 77 per cent. of FeSO (80 per cent.). "Taste, metallic and astringent" added to description Lead limit (added), 50 parts per mil-lion. Pilula Aloes et Ferri deletec from "Preparations." Doses, 1 to 3 gr $(\frac{1}{2} \text{ to 3 gr.}).$

Ferrum.—Monograph as modified by Addendum I (i.e., "No. 42 Standard Wire Gauge" deleted). Syrupus Ferr Iodidum and Syrupus Ferri Phosphati cum Quinina et Strychnina deletec from "Preparations."

[Ferrum Redactum].

FILIX MAS.—Consists of "rhizome, frond bases and apical bud of Dryopteri Filix-mas (Linn) Schott, collected late in autumn, divested of the roots and dead portions, and carefully dried, re taining its internal green colour." I contains not less than 1.5 per cent. fili cin. ("Not older than one year'

omitted). Macroscopical and microscopical characters given in greater detail. Rhizome may be entire or split (reference to "yellowish - green" colour internally deleted). Limits for "Other organic matter (2 per cent.)" and "Ash (6 per cent.)" omitted. Assay (added): On 25 gm., in moderately coarse powder, exhausted by percolation with solvent ether; evaporate percolate to about 40 mils and complete assay as directed under "Extractum Filicis." Doses omitted.

Filicis Pulvis.—Submonograph. Standards as for "Filix-mas." Description: Brown. Diagnostic structures: Parenchyma of large cells containing numerous rounded starch grains, about 18 to 25 microns in diameter, with large intercellular spaces which show unicellular stalked pyriform glands with external secretion of oleo-resin; yellowish-brown hypodermal sclerenchymatous cells about 300 to 700 microns long, tracheids scalariform; fragments of ramenta, with marginal teeth; calcium oxalate absent. Preparation: Extractum Filicis.

FLUORESCEINUM SODIUM.—New name for "Fluoresceinum Solubile." Synonyms (added): Floresceinum Solubile; Solubile Fluorescein. Graphic formula added. M.W. 376.3 (376.1). "Hygroscopic" added to description. Zinc; corrections of Addendum I (p. xxii) incorporated. Storage (added): In well-closed container.

FGENICULUM.—Microscopical characters in extended detail. "Dried" omitted in preamble. Ash limit (12%), omitted. Acid-insoluble ash (added): not more than 1.5 per cent. Volatile oil (new): Not less than 1.4 per cent. Storage (added): In a cool dry place. Doses, omitted.

Fæniculum Pulvis.—Description: Greenish-yellow to yellowish-brown. Diagnostic structures:—Epidermal cells of pericarp tabular, quadrangular to polygonal with smooth cuticle; very occasional stomata; fragments of brown endothelium of vittæ; parenchymatous cells of mesocarp with lignified, reticulate thickening; narrow thin-walled cells of inner epidermis of pericarp showing parquetry arrangement; thickwalled polygonal parenchymatous cells of endosperm containing much fixed oil, numerous small aleurone grains containing micro-rosettes of calcium

oxalate; trichomes and starch, absent. Acid-insoluble ash and foreign organic as under "Fæniculum." Volatile oil, not less than 1.0 per cent. Storage: In well-closed container, preventing loss of volatile oil, and in cool place. Preparation: An ingredient of Pulvis Glycyrrhizæ Compositus.

GELATINUM.—Protein obtained by extraction from collagenous material. Description covers powder or granules (added). "Forming a jelly on cooling" added to "soluble in hot water." Identification (new tests): Dilute solution in water yields precipitate with solutions of chromium trioxide. Evolves ammonia when heated with soda-lime. Solution in water gives, with solution of mercury nitrate, white precipitate becoming brick-red on warming. Copper limit (new), 30 parts per million, as determined colorimetrically by stated method. Arsenic limit (added), 1.4 parts per million. Lead limit (new): 10 parts per million. Zinc, not more than 100 parts per million, by method given. Sulphur dioxide, not more than 1,000 parts per million (same). Ash limit, 3.25 per cent. (2 per cent.) Acidity test deleted. Odour and taste: A warm 5 per cent. w/v solution in water is free from objectionable taste and offensive odour. Loss on drying, not more than 14.0 per cent. when I gm. is dissolved in 2 gm. water, evaporated and dried to constant weight at 105°. Preparations: An ingredient of Gelatinum Zinci; Suppositoria Glycerini.

GELATINUM ZINCI.—Unchanged.

GENTIANA.—Microscopical characters given in detail. Acid-insoluble ash, not more than 3.0 per cent. Loss on drying at 100°, not more than 10.0 per cent. Doses, omitted.

Gentianæ Pulvis. — Description: Light brown or yellowish-brown. Diagnostic structures: Parenchymatous cells with rather thick walls and containing oily globules; vessels, reticulate, scalariform or annular; cork cells, thin walled; collenchymatous cells; calcium oxalate in minute acicular crystals, 3 to 6 microns long and 0.5 to 1 micron wide, starch grains, very few or absent; sclereids and fibres absent. Complies with requirements stated under "Gentiana."

GLUCOSUM LIQUIDUM.—An ingredient of Ferri Carbonas Saccharatus, added to "Preparations." GLYCERINUM.—List of preparations extended. M.W. 92.09 (92.06). Weight per mil at 20°, 1.255 to 1.260 (in place of specific gravity at 15.5°/15.5°, 1.260 to 1.265). Refractive index, at 20°, 1.4696 to 1.4726 (1.470 to 1.473). Reducing substances test modified: Add rapidly 0.5 mil solution of silver nitrate from pipette, nozzle of which is kept above mouth of tube, and allowing reagent to fall directly into solution without touching sides of tube. Mix . . . (in place of "add 0.5 millilitre of solution of silver nitrate . . . "). Doses, omitted.

GLYCERINUM ACIDI BORICI. — Synonym:
Boroglycerin Glycerite (replaces Glycerite of Boroglycerin). Contains 31.0
per cent. w/w of H₃BO₃ (limits, 29.0
to 32.0). Process unchanged. Assay (added): About 5 gm., mixed with 25 mils water and 25 mils glycerin, titrated with N/1 sodium hydroxide to phenol violet indicator. Factor, 0.06184.
Doses, deleted.

GLYCERINUM ACIDI TANNICI. — Substitute formula of Addendum IV withdrawn. Refractive index, at 20°, 1.487 to 1.495. Weight per mil, at 20°, 1.288 to 1.298. Doses, omitted.

[Glycerinum Aluminis.]

GLYCERINUM AMYLI.—Wheat starch specified (instead of maize starch).

GLYCERINUM BORACIS.—Process unchanged. Additions to monograph: Contains equivalent to 12 per cent. w/w of Na₂ B₁O₇, 10 H₂O (limits, 11.5 to 13.0). Assay: Mix about 10 gm. with 30 mils water, neutralise to methyl orange with N/2 sulphuric acid; boil, cool, add 20 mils glycerin and titrate with N/2 sodium hydroxide with phenolphthalein as indicator. Factor, 0.04768. Doses, deleted.

GLYCERNUM PHENOLIS. — Synonym (Glycerinum Acidi Carbolici) deleted. Purity and assay added. Contains Phenol equivalent to 16.0 per cent. w/w of C₆H₆O (limits, 15.0 to 16.5). Assay as under "Phenol." Doses, deleted.

GLYCYRRHIZA. — Microscopical characters given in greater detail. Acid-insoluble ash limit: Unpeeled drug, 2.5 per cent. (same); peeled drug, 1.0 per cent. (new). Water-soluble extractive (new), not less than 20.0 per cent. Doses omitted.

Glycyrrhizæ Pulvis. — Powder of peeled drug. Description: Colour, buff or yellow. Diagnostic structures: Fibres

with much-thickened yellow walls in bundles of about 10 to 50; and with sheath of small parenchymatous cells each containing single prism of calcium oxalate; vessels, large with numerous bordered pits, having slit-shaped openings, or fragments of vessels; starch grains simple, oval or rounded, about 2 to 4 to 10 to 20 microns long.

Gonadotrophinum Chorionicum.-Gonadstimulating substance from urine of pregnant women. May be prepared by adjusting urine to about ph 6, adding alcohol (95%) to about 50% v/v and removing (inert) precipitate by filtration. Dehydrated alcohol is added to filtrate until concentration is between 80 and 90%, and reaction is adjusted to ph 5. After standing for several hours precipitate is collected by centrifugation, washed successively with alcohol (90%), dehydrated alcohol and solvent ether, dried in vacuo, and powdered. Powder is assayed biologically, and diluted if necessary to a potency equal to that of Standard Preparation of Chorionic Gonadotrophin (1 unit in o. 1 mgm). Description: A white or fawn powder. Soluble in water. Storage: In well-closed container, sealed to exclude bacteria, and stored below 20° (whereby potency retained for twelve months). Doses by intramuscular injection, 100 to 500 units.

Sericum. — Follicle-Gonadotrophinum stimulating substance from serum of pregnant mares. May be prepared from plasma at pH 9 with precipitation of inert protein by adding an equal volume of (95%) alcohol. After filtration, concentration of alcohol is increased to 70% v/v, and reaction of liquid adjusted to pH 5. After standing for several hours, precipitate is collected, suspended in water, and inert matter precipitated again at pн 9 by adding an equal volume of (95%) alcohol. Precipitate from filtrate (by adding alcohol (to 70%) at ph 5) is collected, dried in vacuo, and powdered. After assay, it is diluted, if necessary to a potency equal to that of Standard Preparation of Serum Gonadotrophin (1 unit in 0.25 mgm.). Description: A white powder. Soluble in water. Storage: in containers sealed to exclude bacteria and stored below 20° (whereby potency retained for twelve months). Doses, by intramuscular injection, 100 to 500 units.

N.(W.)F. AMENDMENTS

THE amendments to the National (War) Formulary, 1947, given below have been announced by the Ministry of Health (their date of coming into operation has not yet been decided). The percentage strengths shown in parentheses are approximate.

Auristillae Hydrogenii' Peroxidi Amend formula to read: -Solution of Hydrogen Peroxide (20 Vol.) 60 min. (25 per cent.) Water to ½ fl. oz. COLLUTORIA. Delete whole section. Replace by: -COLLUTORIA (MOUTH WASHES) 4 fl. oz. to be dispensed unless otherwise directed. COLLUTORIUM ACIDI TANNICI (Collut. Acid. Tann.) Glycerin of Tannic Acid ...240 min. (12.5 per cent.) Chloroform Waterto 4 fl. oz. Dilute with an equal quantity of warm water. COLLUTORIUM FORMALDEHYDI (Collut. Formaldehyd.) Solution of Formaldehyde ...60 min. (3 per cent.) Peppermint Waterto 4 fl. oz. One teaspoonful in 4 pint of warm water. COLLUTORIUM PHENOLIS ALKALINUM Phenol. Alk.) Solution of Potassium Hydroxide ...240 min, (12.5 per cent.)

Dilute one part with three parts of warm water. Note.—A similar, but not identical, mouth wash

can conveniently be prepared from Solvella
Thymolis Composita N.W.F.*

Collutorium Zinci Sulphatis et Zinci Chloridi

Compound Solution of Tartrazine B.P.C. ...20
min. (1 per cent.)

Emulsion of Chloroform ...40 min. (2 per cent.)

Waterto 4 fl. oz.
One teaspoonful in ½ tumbler of warın water.

OTHER PREPARATIONS
GARGARISMA ACIDI TANNICI, B.P.C.
Delete entry.

Amend formula to read:—
Atropine Methylnitrate, B.P.C. ... gr. (0.1 per cent.)

Nebula Penicillini Delete entry.

PIGMENTUM ARSENI ET IPECACUANHAE (Pig. Arsen. et Ipecac.) (New entry)

Arsenical Solution30 min. (50 per cent.)
Tincture of Ipecacuanha ...30 min. (50 per cent.)
60 min. to be dispensed unless otherwise
directed.

SOLVELLA PENICILLINI, N.W.F.

Amend the first sentence of the entry to read:—
Each Solution-Tablet contains 10,000 units of
Penicillin (Calcium Salt).

Research Staff "At Home." — A newly-completed research block at Glaxo Laboratories, Ltd., Greenford, was thrown open recently to heads of other departments within the company. The guests were received by Dr. H. M. Walker, O.B.E. (medical director and director of research) and Dr. T. F. Macrae, O.B.E. (head of the research division) and shown something of the work carried out in the chemistry, biochemistry, experimental medicine and pharmacology units. Later the research staff were "at home" to reletives and friends. A party of chemistry students from the medical college, London Hospital, visited Greenford on June 14.



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July 5, 1948

IULY 3, 1948

ALTHOUGH most pharmacists may view with mixed feelings the change-over from National Health Insurance to a National Health Service available to every member of the community, and while none can predict with certainty its full impact on the profession, it is beyond dispute that July 5, 1948, will remain one of the most significant dates in the history of pharmacy.

Those pharmacists who have had a considerable volume of private dispensing stand, of course, to lose, and the seriousness of their loss is reflected in the 99 per cent. postal vote (see page 1) for rejection (of the 1s. 3d. basic fee offered to Scotland) by members of the Pharmaceutical Society north of the Border, where the loss of private dispensing has been shown by the Working Party's report to involve the greatest financial loss. Whilst wishing all success to their Scottish colleagues in holding out for a better offer, however, pharmacists in the rest of Britain have no reason to go back on their own decision. Some of them - those whose dispensing is already predominantly with the State, for example—welcome the terms. Moreover, as in 1912-13, when, as shown by our correspondence columns, there was a feeling of "crisis" within the craft, the inadequacy of the basic fee has to be offset against important gains in principle. Under the 1911 Act pharmacists gained recognition as the proper dispensers of medical prescriptions. Today they are a stage further advanced, because under the National Health Service arrangements dispensing is finally divorced from prescribing, except in special local circumstances.

In a number of topical articles and tables in this issue we review the course of National Health Insurance during its thirty-six years of existence, and the conclusion is inevitable that whatever defects exist in the status of pharmacists as the new Act takes effect can be modified by determined action in the future, just as improvements have been secured in the The fact is unassailable that the community has set its heart on a comprehensive health service. It is up to pharmacists, as to other professional health workers, to meet that demand in the best way they can, seeking always to improve the pharmaceutical service provided and their own position within it.

French Pharmacists' Affairs

CRITICISM is increasing in France of the Ordre National des Pharmaciens to which. since 1945, pharmacists have been compelled to belong. The constitution of this body was framed during the German occupation. When the Government of the Liberation became the Provisional Government of the Republic, its Ministers adopted the draft legislation creating the Ordre, and embodied it in a decree that came into effect on May 5, 1945. many members of the profession raised their voices against the ordinance at the time, and even those who did were prepared to give the regime the opportunity of proving that the good effects of the decree would outweigh the bad. The experience of three years has served to revive their fears and to reveal defects that are damaging to the profession.

The Ordre des Pharmaciens is based on a system of regional councils working side by side with a national council. One of the two principal functions of the regional council is to deliberate upon matters submitted for its examination by its chairman, by the regional director of health, by pharmaceutical organisations, or by individual pharmacists. The nature of the "matters" is not specified, and apparently no single instance is on record of a regional council having been summoned to engage upon "deliberations." The second main function of the regional councils has

been discipline. On this subject the "Gazette des Pharmacies" charges the Councils with being "travesties of tribunals with unheard-of power of pronouncing sentence and without the least code of standards," and accuses individual members of allowing local sympathies and affiliations to colour their judgments.

Enforcement of discipline should be transferred, in the view of the critics, to the national council-which, however, has had, up to the present, "no tangible result" in any sphere of activity. effect the transfer would not only remove the vitally important function of discipline from the domain of "shabby little local intrigues," but would also, according to the "Gazette," save pharmacists an amount of fr. 25-30 millions annually. A correspondent to this paper (C. & D., May 22, p. 680) has pointed out another fault of present pharmaceutical organisation in France, namely that it enriches the established pharmacists while preventing newcomers from rising above the status of employees. Whatever the prospects of reform, pharmacists in Britain will confirm, from their own experience, the advantages both of a centralised disciplinary tribunal and of the freedom to set up shop,

How Penicillin Acts

Studies with radioactive penicillin by Dr. Lester-Smith (Glaxo Laboratories, Ltd.) and workers at the Wright-Fleming Institute of Microbiology, St. Mary's Hospital, London, as published in "Nature," June 26, p. 1009, are an important advance towards elucidating how penicillin acts. The results which indicate that penicillin is absorbed to only a minute extent by the organisms it destroys, must substantially modify the previously held theory that penicillin acts by blocking the passage into sensitive organisms of essential glutamic acid by itself being absorbed by the organ-It now appears that sensitive isms. organisms may die under the action of penicillin by being derived of a minute fraction of their sustenance, in much the same way as experimental animals die by being deprived of essential vitamins.

The technique adopted was ingenious. Radioactive penicillin had first to be prepared by feeding radioactive sulphur, S35 (0.1 millicurie in 0.014 mgm, of sulphur) to a vegetative culture of Penicillium chrysogenum, at a concentration of 0.0055 per cent., at which point the sulphur became the limiting factor in producing penicillin. The yield, which represented a 12 per cent, conversion of the sulphur contained in the broth to penicillin possessing an activity of 0.05 microcurie per international unit, compared favourably with the results of an earlier experiment in the United States which showed a 3.4 per cent, conversion of sulphur to penicillin having an activity of only 0.00006 microcurie per i.u. By the use of a sensitive Geiger-Muller counter the workers were able to measure so small a quantity as 0.004 i.u. of penicillin, with an error of ± 5 per cent. For the absorption experiments, standard suspensions of Staphylococcus aureus in broth were prepared, and known amounts of radioactive penicillin were added. On examination with the Geiger-Muller counter, incubated suspensions and filtrates from incubated suspensions were found to contain practically concentrations of From the results it was calculated that absorption of penicillin was limited to probably less than ten molecules per bacterium.

The authors announce their intention of pursuing their investigations with more powerfully radioactive penicillin and still more sensitive equipment. A solution to the problem of how penicillin works might enable new derivatives of penicillin to be prepared that would greatly widen the usefulness of this most valuable antibiotic.

Exports Increase: Imports Decline

For the first time this year the monthly returns of the United Kingdom international trade for May show a slight but welcome contraction in the adverse balance of the country's trading accounts. Exports, including re-exports, at £135.6 millions, reached the highest post-war monthly level recorded, while imports, at £176 millions, were £10 millions less than the value of April landings. Thus the deficit on the month's trade was £40.4 millions, against £54.5 millions in April. It is of interest to note that exports in May this year

(£135.6 millions) were approximately three times the value of shipments in May 1938

(£45.3 millions).

An all-time record in exports of products of the "Chemicals" group was reached in May, with a total of £6,985,300 (£1.9 millions in May 1938) and the aggregate for the first five months of the year was £32,959,200, against £25.4 millions during January-May 1947 and £9.3 millions in the corresponding period of 1938. Shipments of salicylates in May were £20.400, with the five-month total £96,200 (£49,300 in 1947). classed as disinfectants and insecticides were exported to a value of £389,250 in May (£235,300 in May 1947), bringing the January-May total to £1,703,000. Exports of glycerin remain poor at £11,100 for the five months. Shipments of quinine and its salts continue to increase, with the May value at £21,700 and the five-month aggregate at £125,600. A slight decline in the value of shipments of proprietary medicines is recorded with the May figure at £397,700 (£430,000 in May 1947) and £1.96 millions during January-May (£2 in January-May 1947). Exports of aspirin picked up a little in May at £30,000, but the value of shipments so far this year (£111,700) is little more than half (£200,200) that of the corresponding period of 1947. The value of insulin and its salts consigned overseas in May was £32,250 (828,555 international units) and in January-May £138,784 (3,640,400 i.u.). Shipments of penicillin continue to increase in volume and value with May totals of 349,250 mega units (£231,454) and five-month totals of 1,508,700 mega units valued at £881,430. Exports of ointments and liniments were satisfactory, the May value being £55,600 (£233,600 for January-May).

A Word of Warning

In a Parliamentary reply to a questioner on June 24 (see page 4) the Minister of Health (Mr. Aneurin Bevan) stated "I welcome this opportunity to make it clear that patients are entitled under the new Health Service without restriction to every kind of drug and appliance necessary for their treatment."

So far as drugs are concerned that may be true, but chemist contractors must not allow themselves to be led by the reference to appliances into supplying to an N.H.S. patient any appliance that is not included in the list given in the Third Schedule to the National Health Service (General Medical and Pharmaceutical Services) Regulations, 1948 (see C. & D., April 3, p. 439). Otherwise they may find themselves out of pocket.

It is difficult to believe that the Minister intended to infer that all other appliances are "unnecessary for treatment." We must suppose that, in an excess of enthusiasm for the Service that is being established by his Ministry, Mr. Bevan permitted himself a generalisation that contained a misleading statement of the detailed arrangements. For chemists, the important thing

is to adhere to the list.

R.A.M.C. Golden Jubilee

In recent weeks the Royal Army Medical Corps has been celebrating its golden jubilee, though the history of an army medical service, in one form or another, goes back to the first appointment of regimental medical officers in the original standing army of 1660. In the 200 years that followed, the service underwent many changes in both form and title before, in 1808, the medical staff of the army and the Medical Staff Corps were combined to form the R.A.M.C. in its present form. In its fifty years of existence the Corps has achieved a magnificent record of accomplishment, both in peace and war. It has, in most directions, successfully adapted itself to revolutionary changes in the technique of warfare and in the treatment of the sick and wounded. It is therefore all the more surprising and regrettable that its attitude towards its pharmaceutical services has remained obstinately out of date, and is redolent of the days when the ranks included "purveyors' clerks" and "apothecaries' mates."

Since the golden jubilee year of the Corps coincides with the inauguration of a National Health Service giving every civilian the right to a properly constituted pharmaceutical service, no more suitable opportunity could be found by the authorities for granting similar rights to citizens in military uniform.

NHI into NHS

HE introduction of the National might well be characterised as one of the greatest events in the history of British pharmacy. It came at a time when pharmacists, for the most part, worked as isolated units in individual shops, when there was little practical co-operation amongst members of the same craft, when chemists in the main were 90 per cent. traders and barely 10 per cent, professional workers, and when each trader fixed for himself the hours during which he sold his goods and the prices at which he sold them, N.H.I. changed all that, It brought individuals together and all into the open. It led to the proper organisation of the calling, and linked into one body those who previously had worked as scattered It made members of the public chemist-conscious, established pharmacy as a recognised profession, gave a civic value to the work of the compounder of medicines, and secured a permanent place for pharmacy on the national map.

Gradual Changes

Thirty-six years does not now seem so long in retrospect. Changes that have come, and advances that have been made, have taken place gradually. Just as, in development of mankind, natural events and environmental conditions have played their part in changing, moulding, completing and perfecting the racial product we ourselves exemplify today, so changing circumstances in the national life, advances in methods of medical treatment, varying requirements of the community, needs discovered in the actual working out of the scheme, and the moulding and speeding-up influences of two major wars, have brought the British pharmacist to his present position of prominence, from which he may now view the unfolding prospect of enhanced status and professional importance with pleasurable expectancy, because of the certainty of his own firm place in the national medical scheme.

Before examining more closely the things which we think the future holds for us, let us look back and estimate briefly the gains of the past. Their realisation might be expressed in half a dozen words: Identification, recognition, organisation, administration, representation, professionalisation.

The 1911 Act for the first time identified the pharmacist as the proper com-

By A. E. Bailey, M.P.S.

pounder of medicines. It recognised his fitness, because of his scientific training and professional experience, to be appointed as the official dispenser of the nation's prescriptions. The provisions of the 1911 Act compelled an unprecedented activity on the part of the official representatives of British pharmacy — the Council and officers of the Pharmaceutical Society—to set about the organisation of practising pharmacists, systematically and geographically, for the purpose of forming panels of contractors to undertake the dispensing of prescriptions under the National Health

Insurance scheme.

Upon many pharmacists, hitherto inexperienced in local administration or public service business, fell the duty of safeguarding their own interests and those of their fellows in the consideration and discussion of proposals and problems connected with the inauguration of the new pharmaceutical service and of taking their places as members of the new administrative bodies called into being because of the 1911 and 1913 Acts—the local Insurance and Pharmaceutical Committees and the Service Committees set up in all local insurance areas. Through the long course of the development of organised pharmacy, outstanding changes in circumstances and conditions have recurred, the original Pharmaceutical Standing Committee giving place to the Local Associations Executive, leading later to the establishment of the Retail Pharmacists Union (now the National Pharmaceutical Union), whose Joint Negotiating Committee is responsible for the representation of all pharmaceutical contractors in conference and for discussion with the appropriate Government department, the Ministry of Health.

The Pharmaceutical Society

That rejuvenated centenarian, the Pharmaceutical Society, since the commercial interests of its members took the new branch road developed as a result of the "Jenkin" case (and with the N.P.U. working in parallel with it) has consistently developed the professional interests of its members. Responsible for education and examination, for the entry of pharmaceutical candidates, for the course they run and the goal they reach, the Society has raised pharmaceutical standards of professional conduct and work, and has increased the pharmacist's responsibility and status.

The result, spread over the course of the National Health Insurance years, has been the professionalisation of pharmacy and the development of highly trained and experienced practitioners capable of carrying out efficiently all the technical and professional duties necessary to be executed in connection with the pharmaceutical service that has now to be provided for all members of the community. These are some of the legacies which the moribund N.H.I. is bequeathing to the nascent N.H.S. Some of the points may be further elaborated.

As a consequence of the introduction of N.H.I., official pharmacy was brought into close touch with Government departments. chiefly the N.H.I. Commission, which in the early days was responsible for the administration of the N.H.I. Act. The establishment of the Ministry of Health in 1919 brought together under one body most of the health activities of the Government, and the necessary contacts brought about by the need for negotiation and discussion of terms and conditions of service for pharmacist-contractors has, over the years, developed cordial relations between Bloomsbury (including Queen Square) and Whitehall, and has led to a better understanding by both parties of the service required from, and the recognition due to, the contracting pharmacist.

National Pharmaceutical Union

Pharmacy has gained immeasurably by the establishment in 1920 of the National Pharmaceutical Union, that specialised association of proprietor and contracting pharmacists which has developed as a direct result of the dispensing work required under the N.H.I. Acts, and which, in its development, has fulfilled the objects foreseen in September 1913, when the late Mr. Peter MacEwen (the then Editor) opened the columns of the C. & D. to comprehensive proposals for establishing a National Federation of Pharmaceutical Committees. Many of the business services provided by the Union have no necessary connection with the dispensing contracts entered into by its members, but if all its activities were limited to those arising directly from the N.H.I. dispensing service, the success of its undertakings and achievements would testify to its establishment being more than justified.
Although the N.H.I. Regulations con-

Although the N.H.I. Regulations contained no provision for the appointment of pharmacists as members of Insurance Committees, registered pharmacists have

always been included amongst the members for whose appointment the Minister of Health was responsible. The N.H.S. Act makes specific provision for including pharmacists in the membership of Executive Councils. A great service has been rendered to pharmacy, and, indeed, to the general efficiency of the N.H.I. administration, by the presence, as members of Insurance Committees, of representative local pharmacists, and there are many in the country who have maintained their membership throughout the whole of the thirty-six years of the N.H.I. scheme.

Pharmaceutical Committees

It is impossible to over-emphasise the value of the local Pharmaceutical Committees established by the N.H.I. Act of 1913. It was a great step forward that a statutory committee composed of pharmacists and directly representative of chemist-contractors should be constituted to collaborate with the Insurance Committee in maintaining an efficient pharmaceutical service, to advise and assist the Committee in preparing a list of pharmacists willing to undertake dispensing, and to safeguard the professional interests of chemists providing the pharmaceutical service. A large share of the credit for the efficiency of the service—as recognised by the Royal Commission in 1928 and by the Ministry of Health on many subsequent occasions -is due to the unremitting activities of the Local Pharmaceutical Committees.

Now let us view the prospect that N.H.S. offers. One thing at least is evident. It will not be with pharmacists in July 1948 as it was with them in January 1913, when Medical Benefit first became available to insured persons under the N.H.I. Act. Experiences under N.H.I. will have prepared them for the new scheme. The unfavourable conditions endured, and the difficulties overcome during the period of N.H.I., have made N.H.S. possible. The gains achieved by the efforts of N.H.I. veterans will make conditions much more bearable for those who become national pharmacists for the first time under N.H.S.

If we can accept at their face value the proposals and principles embodied in the N.H.S. Act, then the prospect for pharmacy under the new scheme may be considered to be encouraging. The Government is making itself responsible for the supply of all necessary drugs and medicines to every member of the community by a complete scheme embracing every

citizen. The pharmacist has been specially designated as the official compounder of all prescriptions. Pharmacists are given a large measure of representation and control by membership of Executive Councils and of other local administrative bodies, and by the continuance of statutory Pharmaceutical Committees in every local health area. Local authorities may engage only pharmacists to supervise dispensing in hospitals and health centres, and only in exceptional cases can arrangements be made with doctors for the supply of drugs and medicines.

Pharmaceutical Units

In hospitals and health centres wholetime professional employment is assured for the pharmacists engaged, and even in retail pharmacies, where for many years it is probable that the bulk of the national dispensing will be done, whole-time occupation in the dispensary for one or more registered pharmacists is practically certain. The trend of events will be toward separation of the professional dispensing business from that other section of a proprietor's activities which is devoted to counter trading, and towards a self-contained dispensary unit similar in all respects to the pharmaceutical units already established in hospitals and possibly at health centres.

There are, of course, both favourable and unfavourable features in the outlook, and some new elements that will have to be reckoned with. An increase in professional business is certain, but a corresponding decrease in shop business will probably occur, unless special arrangements are made by obtaining extra assistance and separating the two activities of the establishment. There will be more control over the pharmacist-contractor as an employee of the Executive Council or the Ministry of Health, and there may be a consequent extension of official supervision, such as inspection of premises, specification of standards, licences to dispense, testing of medicines, and standardisation of equipment.

There will be higher rates of pay for the professional work undertaken, but there will also be the necessity for more assistance and the obligation to pay to employees officially fixed rates of salary and to adhere to recognised hours of service. Whitley Council machinery and Joint Industrial Council decisions will impose obligations on proprietors, who are principals in national dispensing contracts,

one aim of which is impartially to secure contentment and efficiency in the service.

There will be competition by local or other public authorities for the dispensing work in health centres, and by hospitals, which will also be in the market for the services of qualified assistants. There may be some restriction of activities in the sale and distribution of proprietary medicines, but there should be a wider field of activity in medical diagnostic processes and biochemical analyses. Pharmacists may see the elimination of undesirable trading acti-They have ever been suffered with reluctance by the better-class pharmacist, and their continuance should be rendered unnecessary by an increase in the volume of truly professional work and the payment of adequate professional rewards.

On the whole, a readjustment of the mechanism and management of the pharmacist's world may be expected as a result of N.H.S. operations, bringing him more into line with the majority of other professional and scientific workers and developing for him the better elements of his craft in a move towards attaining the

highest professional standards.



N.H.I. EXAM. The scheme, satirised in cartoons by Mr. Granville Shaw, Ph.C. From the C. & D., 1913.2.397.

Some Personalities of NHI, 1911-48

PHARMACY owes much to those who have been its champions in negotiating terms of service and conditions of work for chemists who contract to dispense the Nation's medicines, or in carrying out the administrative and checking work involved. Among others whose names have become prominent in this field may be noted:—

MR. (later Sir) WILLIAM GLYN-JONES, an London chemist turned barrister, who had distinguished himself as a debater, became, when elected in 1910 to Parliament, pilot of the pharmaceutical ship -- then heading for troubled waters caused by the introduction of the National Health Insurance Act. 1911. Glyn-Jones steered clear of obstacles. To intelligence, foresight and untiring energy, the profession owes an incalculable debt in the field of National Health Insurance. As spokesman for a deputation of representatives of pharmaceutical organisations to Mr. Lloyd George (Chancellor of the Exchequer)

on June 1, 1911, Glyn-Jones called for seven provisions, described later as his "seven planks in the pharmaceutical platform," to be included in the Bill: (1) Dispensing under the direct supervision of a pharmacist; (2) contracts limited to those entitled to practise as pharmaceutical chemists or chemists and druggists under the Pharmacy and Poisons Act, 1908; (3) control of pharmaceutical services in the hands of health committees rather than friendly societies; (4) pharmacy adequately represented on committees; (5) remuneration to a scale; (6) panels of N.H.I. chemists to be set up; and (7) pharmaceutical benefits not to be extended to persons earning more than about £160 per annum. He made a lightning tour of Germany and Austria to study the systems of State medicines in those countries, and on his return was the chief speaker at a mass meeting of pharmacists (some 800 strong) in London to discuss the "seven planks" in his N.H.I. campaign. He obtained about 120



Sir William S. Glyn-Jones, M.P.
"Pilot of the pharmaceutical ship,"
1911.

signatures from fellow Members of the House of Commons to a "memorial" which he presented to the Chancellor of the Exchequer on the position of chemists and druggists under the proposed N.H.I. regulations. He became an authority on insurance, and when the Act was eventually passed, lectured widely upon it. In

1918 he became secretary and registrar of the Pharmaceutical Society, and was knighted in 1919. He resigned from the secretaryship in 1926 to take part in pharmaceutical organisation in Canada, where he died, suddenly, in 1927.

The late Mr. W. J. U. WOOLCOCK, C.M.G., C.B.E., secretary and registrar of the Pharmaceutical Society during the first five years of medical benefit under N.H.I., worked in close association with the late Sir William Glyn-Jones in the early N.H.I. negotiations for pharmacists. The two were brought together on work for the Local Associations' Executive, Woolcock being

appointed Local Associations Officer of the Pharmaceutical Society in 1911. He was a member of the London Insurance Committee and of the prescription pricing subcommittee, and took part in a deputation to the National Health Insurance Commission in 1915 on administrative expenses under N.H.I., rural dispensing, delays in payment, and the use of local formularies.

MR. G. A. Mallinson (secretary of the National Pharmaceutical Union) has been connected with National Health Insurance since 1911 when the Bill was before the House of Commons. As secretary of the Manchester Pharmaceutical Association he had to argue a case for the Association against doctors concerning over-prescribing, and, as a result, Manchester chemists were praised by the N.H.I. Commission on the way in which their case had been stated. Mr. Mallinson gained in this manner an intimate knowledge of N.H.I. matters, and in 1916 he was appointed Superintendent of the National Health

Insurance department of the Pharmaceutical Society. Speaking of his early experiences in N.H.I. work, Mr. Mallinson points out that "surprising though it may seem today, chemists were not mentioned in Mr. Lloyd George's original Bill. We were entirely ignored and the late Sir William Glyn-Jones, then plain Mr. Glyn-Jones, M.P., took up the cudgels on behalf of pharmacy. Deputations of pharmacists waited upon Members of Parliament and I remember days in London, at our own expense, spent lobbying M.P's in the House to get support for Glyn-Jones's amendment to the Bill. Thanks to his efforts we were successful and, much maligned though it has been, the N.H.I. Act undoubtedly set pharmacy on the upward trend. I was made secretary of my local Pharmaceutical Committee and had the job of organising the initial N.H.I. Pharmaceutical Service. In 1916 I joined the staff of the Pharmaceutical Society on the invitation of the late Mr. W. J. U. Woolcock, to take charge of N.H.I. affairs, and since that time, without interruption, have been dealing with N.H.I. in one way or The chemists of the another. younger generation have no idea how much the N.H.I. service has affected pharmacy and its development, nor have they any conception of the efforts that have been necessary to overcome the unfortunate start, which was largely due to the reluctance of doctors to surrender their dispensing and the low value placed upon it at that time. We owe our position under the National Health Service Act to the valuable work done by pharmacists in and out of Committees in con-

nection with the N.H.I. I am pleased I have been able to see the fulfilment of the dream we had in 1911 when we were arguing so fiercely for the separation of prescribing from dispensing."

MR. A. E. BAILEY, M.P.S., retired from the post of superintendent of the London



Mr. G. A. Mallinson



Mrs. J. K. Irvine, Superintendent, S.E. England Pricing Office,



Mr. A. E. Bailey, Secretary, London Insurance Committee, 1911-46.

Prescription Pricing Office of the London Insurance Committee in 1946. Prior to that he had been closely connected with N.H.I. administration since 1912, when, while serving as the first secretary of the Middlesex Pharmaceutical Association, he played an important part in organising the Middlesex County for N.H.I. work. In 1913 he joined the Central Checking Bureau at the Pharmaceutical Society's headquarters, working under the late Mr. W. J. U. Woolcock, and in 1914 was appointed first technical officer of the London Insurance Committee. and then superintendent of the Prescription Pricing Office when that was formed later in the year. Mr. Bailey was also in control of joint pricing and investigation work with the Middlesex Insurance Committee, which helped to set the pattern for the pricing bureaux that were established throughout the country on the introduction of the Commercial Tariff in 1916. During his thirty-two years' service with the Pricing Office, Mr. Bailey became an expert on prescription pricing and terms and conditions of service for chemists. In that time the work of the Pricing Office grew until, in 1939, the Office had a staff of over sixty assistants, and dealt with nine million prescriptions each year. When he retired, the Office had priced 240 million prescriptions - total value, £9 million.

MR. G. A. TOCHER has been for many years secretary of the Pharmaceutical Committee for the County of London. In 1912 a meeting of delegates from London associations, at which the County Executive was constituted, unanimously

appointed him its honorary secretary. He was largely instrumental in founding the various district associations comprising the London County Pharmaceutical Association. Between the executive committee of that body and the London Insurance Committee the terms of service under

N.H.I. were agreed on December 23, 1912. In the early years of N.H.I., the London County Executive ensured that an adequate service was provided for insured persons and gave advice to chemists on administrative problems that arose.

JEAN K. IRVINE. MRS. M.B.E. (president, 1947-48, of the Pharmaceutical Society), is superintendent of the South-eastern Pricing Office. Her association with National Health Insurance work began when she was engaged by the Society in 1914 to take part in work at its London headquarters on the checking of prescriptions from London and Middlesex. In 1916, pricing offices were set up, she joined the South-eastern Pricing Office, and since that time has been responsible for pricing over 200 million prescriptions, at a total value of nearly £10 millions. The average cost per prescription in the Southeastern Division of England then was 6.1d., against the present average of 22.9d. The lowest price for an ingredient in the original tariff was o.o1d. "In the early days of N.H.I." Mrs. Irvine writes, "negotiations with the Government were carried on by the Phar-maceutical Society. During the 1914-18 war I was seconded to the Insurance Commission for connection in National Health Insurance and had the experience of sitting on the Government side of the table when the Pharmaceutical Society, led by Messrs. Pilkington Sargent and W. S. Glyn-Jones, came to discuss dispensing terms. I remember my depression as a pharmacist when I realised that the pharmaceutical side, though com-

posed of eminent pharmacists, proved unequal to dealing effectively with the arguments put forward by senior wranglers on the Government side." Among many other activities connected with Insurance work, Mrs. Irvine has been a past-president of the Insurance Committee Admini-



Mr. A. R. Melhuish.



formerly superintendent, Central Checking Bureau.



Mr. A. B. Gilmour, formerly superintendent, Central Checking Bureau (Scotland).

strative, Technical and Clerical Services, and manager of the Superannuation Fund for Insurance Committee officers.

Mr. A. R. Melhuish, who has been associated with the London Pharmaceutical Committee since its inception, has maintained from his earliest days in pharmacy that the profession must be closely asso-ciated with a national insurance scheme. He took part in preparing the first Insurance formulary, the London Insurance Formulary, and in 1918 succeeded / the late W. J. U. Woolcock on the London Insurance Committee as the only chemist amongst a total membership of eighty. Mr. Melhuish recalls that the early debates were animated and "waxed fast and furious" and the "Pharmaceutical number" was not always comfortable. The Insurance Committee met during that period at Spring Gardens, Admiralty Arch, London, later moving to County Hall, Westminster, and then to reconstructed offices at Insurance Street, Clerkenwell, London, W.C.1.

R. HUTCHINSON, D. pharmaceutical adviser to the Ministry of Health from 1919, when the Ministry was formed, until 1941, and the first pharmacist to be appointed to the National Health Insurance Commission (England), joined the Commission in 1916. gives credit for the smooth working of the medical benefit side of the N.H.I. provisions to those with whom he worked: Sir Robert Morant, Dr. Smith Whitaker, Messrs. John Anderson, S. P. Vivian, J. Rae and R. W. Harris. From 1941 until his retirement in January 1948, Mr. Hutchinson served with the Directorate of Medical Supplies.

MISS D. M. BRAITHWAITE served with the Central Checking Bureau from its formation in 1916 until her retirement on June 30 this year. She was its superintendent from its transference to the National Pharmaceutical Union in 1921. In 1913 she was appointed to a post with

NHS Negotiations Begin . . .



DEPUTATIONS AT THE MINISTRY OF HEALTH, FEBRUARY 4, 1946

Present: Messrs, G. H. Armitage, F. W. M. Bennett, E. A. Brocklehurst, C. A. Buick, A. J. Espley, I. V. L. Fergusson, H. N. Linstead, M.P., J. F. McNeal, G. A. Mallinson, A. A. Meldrum, A. R. Melhuish, J. Moore, G. I. Rushton, D. E. Sparshott, A. Sugden, W. J. Tristram, F. G. Wells and J. C. Young, representing between them the Joint Negotiating Committee and the Company Chemists Association.

Personalities of N H I (continued)

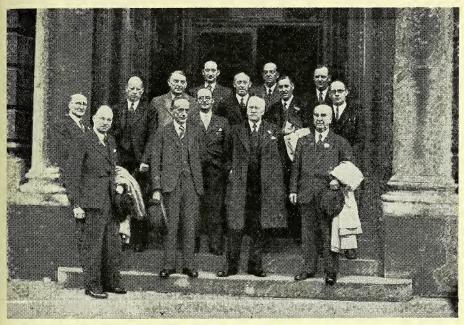
the Society for checking N.H.I. prescriptions. In 1915 she was in charge of pricing the prescriptions that had been dispensed by chemists at cost for the dependants of men serving in the Forces. For a short time Miss Braithwaite served as assistant to Mr. A. E. Bailey on the staff of the London Insurance Pricing Committee.

The late Mr. J. Rutherford Hill, O.B.E., Ph.C., who was resident secretary of the Pharmaceutical Society in Scotland for over fifty years, was closely associated with the early N.H.I. negotiations in Scotland. He served as secretary of the Pharmaceutical Standing Committee (Scotland), as a member of the Drug Accounts Committee for Scotland, and of the Advisory Committee to the N.H.I. Joint Committee. He was also the representa-

tive of pharmacy on the Consultative Council on Medical and Allied Services of the Department of Health for Scotland. He did most valuable work on the "delicate negotiations connected with Insurance Medical Benefits" (C. & D., 1913.II.74), and was the first honorary member of the Scottish Association of Insurance Committees.

MR. A. B. GILMOUR, M.B.E., was for thirty years the superintendent of the Central Checking Bureau and Clerk to the National Health Insurance Drug Accounts Committee (Scotland). In that capacity he was responsible for the pricing and checking of more than 100 million N.H.I. prescriptions. In 1915, when it had become apparent that the pricing of N.H.I. prescriptions by the individual chemist was impracticable, it fell to his lot to organise a Central Checking Bureau for pricing prescriptions. Some of his experiences in

and end



DEPUTATION AT THE MINISTRY OF HEALTH, JUNE 22, 1948

Present to report acceptance of Ministry's amended offer: Messrs. E. A. Brocklehurst, H. B. Coulson, B. Pugh Davies, P. Dobson, G. H. M. Graham, T. Heseltine, J. Hearle, J. F. McNeal, G. A. Mallinson, A. R. Melhuish, H. Noble, D. E. Sparshott, H. Steinman, W. E. Stokes, and P. Varley, representing the Central N.H.I. Committee. The visit clinched the decision of the June 17 delegate conference.

"nursing" the organisation of N.H.I. prescription pricing in Scotland were described in an article in The Chemist and DRUGGIST, 47.II.778.

The late Mr. J. P. GILMOUR, M.P.S., who had many claims to fame (he was variously a member of the Council of the Pharmaceutical Society; chairman of its North British Executive; chairman of the Scottish board of examiners, and editor of the "Pharmaceutical Journal") was chairman of the Scottish Pharmaceutical Committee under the National Health Insurance Acts and a member of various Insurance Committees. He took a prominent and successful part in the negotiations for more equitable terms for chemists at the time of the first National Health Service Act and partnered the late Mr. W. J. U. Woolcock as a representative of pharmacy on the National Health Advisory Committee appointed in 1912.

N H S Terms In Brief

[ENGLAND AND WALES]

Average dispensing fee of 1s. per prescription. "Expensive"

prescriptions individually priced.

Ingredients at cost plus $33\frac{1}{3}\%$.

Container allowance of 2½d. for every prescription.

Higher dispensing fees for prescriptions involving special techniques.

Payment for rota service at rate of 7s. per hour on weekdays and 12s. 6d. per hour on Sundays and public holidays.

Interim payments based on current Drug Tariff fees plus 161.5%.

Steps towards a comprehensive NHS

1911 National Insurance Act introduces compulsory health insurance on a contributory basis, covering employed per-



Lord Beveridge, Author of the Beveridge Report

sons aged 16-70 earning up to £160 annually.

1913 Medical Benefit section of 1911 Act comes into force. January: First N.H.I. script. Chemists price their own scripts in "imperial coinage values.

1914 London Prescription Pricing Office (of London Insurance Committee) established as

Six million separate department. prescriptions (value £155,500) dealt with in first twelve months.

1916 Commercial Tariff introduced, based on decimal system. Series of pricing offices set up in centres outside London. 1919 Ministry of Health established. Health

insurance extended to annual income limit of £250.

1921 Drug Tariff revised "Stock mix-ture" clause abolished. New dispensing

scale eliminates decimal figures.

1924 New terms for N.H.I. chemists laid down (at renewal of contract), involving slight increase in some dispensing fees, and allowing out-of-pocket expenses.

Royal Commission set up to report on possible extension of 1911 Acts and sub-

sequent Acts.

1925 Insurance Committees take over administration of new scheme for testing

N.H.I. medicines.

1926 Royal Commission reports "From every point of view the arrangements for the supply of drugs and appliances through chemists have been successful." 1929 Medical Benefit Consolidated Regu-

lations (Scotland) introduced. 1930 Government Advisory Committee publishes report on definition of drugs

for N.H.I. purposes.

1936 National Health Insurance Act consolidates all previous N.H.I. legislation. New Medical Benefit Regulations published.

1942 Health insurance income limit raised to £420 per annum. Beveridge report published ("Assumption B" envisages a comprehensive national health service).

President of the Pharmaceutical Society (Mr. W. S. Howens) suggests establishment of Pharmacy Commission (with similar body for Scotland).

Joint memorandum on national pharmaceutical service sent to Ministry of Health by Pharmaceutical Society, National Pharmaceutical Union and Pharmaceutical Standing Committee (Scotland). Separate memorandum sent jointly by Co-operative Union and Company Chemists' Association.

1944 Government issues its White Paper on

a National Health Service.

1945 "Provisional statement" on pharmaceutical aspects of White Paper submitted to Minister of Health by Joint Committee. Company chemists also send memorandum to the Minister of Health. N.P.U. Executive passes resolution urging "a really representative [Joint] committee."

1946 Deputations from augmented Joint Committee and from Company Chemists' Association (see p. 24) attend on

Minister of Health.

Conference of Pharmaceutical Committee representatives instructs reconstituted Joint Committee to set up negotiating committee (established May

14). 1947 Conference of Pharmaceutical committees entrusts negotiations to Joint Contractors Committee (of N.P.U.). Joint Committee on a National Pharmaceutical Service assumes advisory role. 1948 Ministry of Health sets up National

Joint Pricing Committee.

May 11: Deputation to Minister of Health from Joint Contractors' Committee puts forward proposals for a dispensing service. N.P.U. suggests plan for "flat-rate" payments to expedite settlement of chemists' accounts.

May 27: Ministry issues its "final" offer of terms of remuneration for phar-

maceutical contractors.

June 3: Conferences of delegates representing Pharmaceutical Committees and N.P.U. branches seek further information on certain points of offer.

June 14: Ministry concedes amend-

ments to its offer.

June 17: Joint conference of delegates in London approves "amended" offer. June 22: Central N.H.I. Committee deputation conveys to Minister of Health chemists' acceptance of the terms. July 5: National Health Service Act and National Insurance Act come into operation.

NHS Committees and Councils How they are set up and what they do

Central Health Services Council

FUNCTIONS: To advise the Minister on services provided in England and Wales under the Act and by local authorities; to make an annual report on its proceedings and on those of any standing advisory committees.

Constitution: Forty-one members, including laymen and professional representatives including two pharmacists.

Pharmaceutical Standing Advisory Committee

Functions: To advise the Minister and the Central Council on the pharmaceutical service.

Constitution: May be set up by the Minister in consultation with the Central Council; to consist partly of pharmacists on the Central Council, partly of nominees of pharmaceutical organisations.

Scottish Health Services Council

Similar in functions and constitution to the Central Council; thirty-five members including two pharmacists (Dr. David McCall and Mr. C. G. Drummond).

Joint Pricing Committee for England

Functions: To carry out Executive Council duties concerned with the checking and pricing of prescriptions dispensed by contractors.

Constitution: Thirteen members appointed by Executive Councils (including, at present, the following pharmacists: Messrs. G. F. Deeth, London, W. Deacon, Bridgwater, and J. E. French, Sitting-bourne), four pharmaceutical representatives appointed by the Minister (Messrs. D. E. Sparshott, T. Heseltine, G. H. M. Graham and P. Dobson), and one medical representative.

Pharmaceutical Functional [Whitley] Council

FUNCTIONS: To provide a channel for negotiations, after the Act has come into force, on matters affecting the provision of a pharmaceutical service either by contractors or by salaried employees under a hospital authority or local authority.

Constitution (staff side): Twenty-one members appointed as follows:—Guild of Public Pharmacists, six; Association of Scientific Workers, one; Confederation of Health Service Employees, one; Pharmaceutical Standing Committee (Scotland), three; N.P.U. Joint Contractors (N.H.S.) Committee (including direct representation of the Company Chemists' Association and the Co-operative Union), ten. To be divided into two committees, one to deal with the interests of contractors, the other with those of hospital pharmacists, etc. The present members of the staff side

The present members of the staff side are: Chairman, Mr. D. Currie (Guild of Public Pharmacists); Vice-chairman, Mr. G. H. M. Graham (N.P.U.); Secretary, Mr. H. Noble (N.P.U.); others members, Mr. D. Cox, Miss E. Dobie and Messrs. R. H. Henriksen, J. Moore and A. G. Shaw (Guild of Public Pharmacists); Mr. J. W. Hadgraft (Association of Scientific Workers); Mr. J. Richards (Confederation of Health Service Employees); Messrs. F. W. M. Bennett and J. Weir and Dr. D. McCall (Pharmaceutical Negotiating Committee (Scotland)); Messrs. J. Hearle, T. Heseltine, G. A. Mallinson, A. R. Melhuish, H. Steinman and W. J. Tristram (N.P.U.); Mr. D. E. Sparshott (Company Chemists Association); and Mr. P. Dobson (Co-operative Union).

Health Committees

One to be appointed by every local authority to advise on and to some extent to carry out the local authority's health functions. At least a majority of its members must be members of the local authority.

Executive Councils

Functions: To replace the former N.H.I. Insurance Committees in each area.

Constitution: A chairman and four members appointed by the Minister, eight appointed by local health authority, and seven medical, three dental and two pharmaceutical representatives (a list of pharmacist members of local Executive Committees is included in the The Chemist and Druggist Diary and Year Book, 1948, pp. 386-88).

Pharmaceutical Committees

To represent pharmaceutical interests locally, and to investigate complaints from Include reone chemist about another. presentatives of proprietor pharmacists, employees, multiple companies and cooperative societies.

Pharmaceutical Service Committees

FUNCTION: To investigate complaints about the pharmaceutical service from members of the public.

Constitution: A chairman, three lay members of Executive Council, and three members appointed by local Pharmaceutical Committee.

Joint Services Committees

Functions: To investigate disputes in-

volving more than one profession (only representatives of the services concerned and the lay members attend any particular sitting).

Constitution: A chairman, two lay members of the Executive Council, two doctors, two dentists, and two pharma-

ceutical members.

Hours of Service Committees

Functions: To administer local schemes for ensuring that one or more pharmacies in each district is open at all reasonable times

Constitution: A chairman, three members appointed by the non-pharmaceutical members of the Executive Council and three appointed by the local Pharmaceu-

tical Committee.

NHS Questions and Answers

Hours of Service

During what hours must I provide a service? — Normally, 9 a.m.-6 p.m. (one hour's closing for lunch optional); early closing day, 9 a.m.-1 p.m. In addition, any extra hours required under a rota scheme by the local Executive Council.

What extra hours are to be covered by a rota service?—Usually one hour in the evening on early-closing days, one hour on Sundays and public holidays, and one hour after 6 p.m. on other days, if considered necessary by the Hours of Service Com-mittee of the Executive Council. Sundays and public holidays may be covered by a different rota scheme from evening service.

Is participation in a rota scheme compulsory?—When the Hours of Service Committee considers a rota necessary, the Executive Council may require every che-

mist to participate.

If I normally open beyond the required hours, shall I receive extra payment for opening?—No, except when it is your turn for rota duty. If you do open, any N.H.S. script presented must be dispensed; you will be paid for this at normal rates.

Between July 5 and the date of operation of the permanent scheme of remuneration, do I receive payment for rota work?
—Yes. The negotiators have secured that payment for rota service commences im-

mediately.

Containers

Does the patient have to provide the container while the "interim" method of payment is in operation?—No. Like the

rota payment, the container allowance operates from July 5.

Is there any guarantee that the Ministry will not demand a standard for containers (e.g., porcelain jars for ointments) too costly to be covered by the uniform 2½d. per prescription?—Yes. The secretary of the N.P.U. has stated (a) that standards for all types of containers are being laid down that will be well within the average figure of $2\frac{1}{2}d$., and (b) that usually there will be a choice of alternatives.

May I offer to buy back containers from patients?—That is up to you. Pharmacists are expected "to help themselves and the country" by an extensive recovery of bot-

tles for re-use.

Prescribers

Can the patient of a doctor who is not taking part in the Service obtain free medicines?—No, medicine can only be obtained free on an N.H.S. script.

May N.H.S. scripts be written only by a doctor who is on the medical list of an Executive Council?—No, his deputy or

assistant may write them.

Can a dentist prescribe any drug or medicine?-No, only those laid down in the third schedule to the N.H.S. (General Dental Services) Regulations (see C & D., April 3, p. 445).

Can doctors supply medicines direct to patients?-Yes, if the medicines are required for immediate administration before a supply could otherwise be obtained, or

if administered personally by the doctor. A patient living in a rural area more than one mile from a pharmacy may request his doctor to supply medicines, etc. (The doctor is not compelled to comply.)

Dispensing Service

Must all dispensing be done by pharmacists?—No, but it must be done "by or under the immediate supervision of" a pharmacist, or by a person who for three years immediately before December 16, 1911, acted as a dispenser to a medical practitioner or public institution. Executive Councils may require a contractor to furnish the names of any pharmacists employed by him in N.H.S. dispensing.

Does the contract stipulate salaries for assistants?—Under a "fair wages" clause, the salaries and conditions of all grades of employees must be not less favourable than those of the current National Joint Industrial Council for Retail Pharmacy agreement (see C. & D., March 6, p. 316).

May dividend be paid on N.H.S. dis-

pensing?—No.

Will building licences be granted for improvements to dispensaries, etc.?—The Minister of Health has promised his assistance to pharmacists needing building licences. £100 annually may now be spent on building without a licence.

Miscellaneous

Can I join the service after July 5?—Yes, you may join at any time. Applications should be sent to the local Executive Council on Form E.C.26.

Am I allowed to withdraw from the service? — Yes; three months' notice is usually necessary.

Can local authorities undertake N.H.S. dispensing?—Certain local authorities have been asked to maintain continuity of dispensing services at a number of dispensaries at present conducted by medical-aid societies, etc. In addition, health centres, when they are built, may include pharmaceutical departments.

Shall I receive any fee for holding a I.S.A. licence for dispensing penicillin injections?—Not directly, but such dispensing carries special dispensing fees.

sing carries special dispensing fees. If the N.P.U.'s "plan A" is adopted, shall I have to price my own scripts?—It appears that, as at present envisaged, the scheme will require some preliminary classification of scripts by contractors.

Can I check the pricing of my scripts?
—Yes, the Executive Council must provide "reasonable facilities," on request, for a chemist to examine his priced prescriptions.

Framework of NHS

Statutory Rules and Orders and Statutory Instruments made under the National Health Service Act, 1946, and National Health Service (Scotland) Act, 1947.

Principal Subject Matter	S.R. & C England and Wales	Scotland			
Medical and Pharmaceutical Services					
Executive Council arrangements for medical practitioner and					
pharmaceutical services	506/48	1258/48			
Terms of service for doctors and chemists	506/48				
Procedure for disputes	507/48	1529/48			
Joint Pricing Committee for England	1301/48				
Executive Councils					
Appointment of members, terms of office, procedure for meetings	889/47	2504/47			
Financial procedure	1239/48				
Determination of areas and local health authority representation — 1358/2 Special constitutions:					
Denbighshire and Flintshire	1180/47				
Leicestershire and Rutland	646/47				
Monmouthshire and Newport	930/47	-			
John of Spiller	167/47				
Isles of Scilly	441/47				
Counties of Lanark, Midlothian, West Lothian, East Lothian					
and Peebles	_	1321/47			
Transfer of Insurance Committee's liabilities and properties	1237/48				
Members' travelling allowances	1330/47	2336/47			

	1	
PRINCIPAL SUBJECT MATTER	S.R. & C England and Wales	Scotland
Hospitals Regional Hospital Boards: Designation of areas (14 in England and Wales, 5 in Scot-		
land)	2158/46	1311/4
appointment Functions	1297/47	2297/4 594/4
Regional Hospital Boards, Hospital Management Committees and Boards of Governors of Teaching Hospitals:		6-/.
Terms of office of members, procedure for meetings Functions	1298/47 60/48	2261/4
Members' travelling allowances Teaching hospitals:	1330/47	2336/4
Ten groups outside Metropolitan area Twenty-six groups in Metropolitan area	656/48 979/48	·
Voluntary hospitals: Apportionment of properties and liabilities on transfer to		
Minister Staff:	888/48	
Compensation for loss of remuneration or employment on transfer to Minister	Draft S.I June 1948	
Dental Services		
Executive Council arrangements	505/48	1257/4
Constitution Financial arrangements Procedure for disputes	505/48	1257/4
Procedure for disputes	507/48	_
Ophthalmic Services	•	
Ophthalmic Services Committees and qualifications for doctors, ophthalmic and dispensing opticians	889/47 1156/48	_
Executive Council arrangements for supplementary ophthalmic services	1273/48	
Mental Treatment		
Appointment of mental hospital superintendents	419/48	
Welfare of persons allegedly of unsound mind Mental Deficiency Regulations, 1948	1075/48 1000/48	
Mental Treatment Rules, 1948	1071/48	
Miscellaneous	983/47	/
Appointed days	112/48	344/4
Central Health Services Council (and Scottish Health Services Council): Members' periods of service	575/48	844/48
Members' periods of service Local health authorities: Transfer of local authority functions	567/48	
	1755/47 Draft S.I.	412/48
Standing Advisory Committees: Members' periods of service	June 1948 575/48	844/48
Winding up of redundant bodies	1292/48	-

NHS in Scotland

A STATEMENT on the National Health Service negotiations between the Pharmaceutical Standing Committee (Scotland) (Enlarged) and the Department of Health for Scotland was made by Mr. F. W. M. Bennett at the annual meeting of the North British Branch of the Pharmaceutical Society on June 16. Any delay in giving information he said, was not the fault of the Standing Committee. The Committee had succeeded, after a fight, in getting a Whitley Council established in Scotland a distinct victory. The regulations had also been amended almost but not quite to their wishes. Since then they had been trying to get what they considered a suitable professional fee for the services that pharmacists in Scotland gave to the people. The figure presented to the Department of Health was at the rate of 12s. 6d. per hour, a figure considered low compared with fees granted to other professions. The Department had considered the rate excessive. After considerable waiting, they had only recently received an offer from the Department of a basic fee of 1s. 3d. per prescription—exactly half what had been asked. The basic fee was based on a dispensing rate of 5.12 prescriptions per hour determined as the result of the extensive tests made all over Scotland, so that the entire earnings of a pharmacist would be 6s. 3d. an hour if employed all the time he was available. To the offer had been attached an elaborate appendix which started with mixtures showing a dispensing fee of 1s. 6d., ointments is. 3d., tablets ("any quantity") is. Tests were to be made from time to time to find out whether the average fee was in fact is. 3d.; if found wrong, it was to be adjusted. The Standing Committee had categorically refused the offer. At the previous interview the Committee had been asked to provide figures substantiating the claim for a higher fee than 1s. 3d. Some of the Committee had thought it wrong to give figures at that juncture. The Department had never yet accepted figures submitted.

Request for More Figures

The Standing Committee had from the beginning asked that their case should be decided by a neutral body, and they were still pressing for this. Mr. Bennett did not think they would have any difficulty in convincing any business committee appointed for the purpose that their case was strong. The Department, however, had

Negotiations between the Pharmaceutical Standing Committee (Scotland) and the Department of Health

not assented to the request but had asked for more figures with an assurance of sympathetic consideration. At the moment a subcommittee was preparing a case to establish the claim for a higher fee. There was shortly to be a meeting at which the Department would give their final answer. If the chemists would not accept the final offer, it would be sent out to individual pharmacists. He hoped all chemists in the country would support the Standing Committee in the event of their refusing to accept the offer. If they did not stand out now for a reasonable professional fee they could not expect the future generation to go into pharmacy. A letter had been sent to every panel chemist asking him not to sign any agreement with an Executive Council until advised to do so from the Standing Committee or General Council.

Arbitration Refused

At a meeting between the Department of Health and the Standing Committee on June 24, the Department refused to consider arbitration and the negotiations broke down. The refusal was described by the Committee as a breach of faith in that a promise had been made in March 1946 that an inquiry into chemists' remuneration would be carried out on the lines of that conducted into doctors' remuneration by the Spens Committee. The Committee has advised Scottish chemists not to enter into contracts with Executive Councils.

Following the breakdown, a statement of the proposed terms is being sent to local Executive Councils by the Department of Health. Local Executive Councils are to distribute copies to every chemist in Scotland with an invitation to accept service. A statement issued by the Department says that Scottish pharmacists were unique among the professions concerned with the National Health Service in having terms negotiated separately for Scotland and in asking a higher rate of payment than has been accepted by English pharmacists. Scottish pharmacists maintained, says the Department, that English terms were inadequate for Scotland because the different nature of the prescriptions issued by doctors made dispensing in Scotland more difficult. present, under Health Insurance, Scots pharmacists received an average of about 3d. per prescription above the English figure and the advantage was being preserved. (See also page 1).

GINGER.—Steady. African, spot, 75s. per cwt.; new-crop, July-August, 70s., c.i.f. Jamaican, No. 1, 115s.; No. 2, 112s. 6d. and No. 3, 110s. per cwt.

Gum acacia.—Modest business. fan cleaned sorts, steady at 65s. per cwt., ex store, London; shipment, 60s., c.i.f. Bleached No. 1, 135s., ex store; to arrive, 120s., c.i.f. Talha, 45s., ex warehouse, 42s., c.i.f.

IPECACUANHA.—A dull market. Nicaraguan is quoted at 25s. per lb., spot; Colombian, 23s. 6d., spot.

Irish moss. — French finest-quality bleached, 120s. per cwt., spot; No. 1, 105s.; No. 2, 95s. per cwt.

Jalap.—Vera Cruz, spot, from 3s. 5d. to 4s, per lb., as to test (15 to 17 per cent. resin). Brazilian (11.2 per cent.), 1s. 6d. per lb., spot.

Karaya.—No. 1 gum, 210s., and No. 2 at 180s, per cwt., spot.

Kola nuts.—African quarters are available at 4d. per lb.; African halves, 3d. to 4d., according to quality; Jamaican washed halves, 4¹/₂d. per lb.

Liquorice.—Anatolian natural root on spot is offering from 47s, to 50s, per cwt., as to holder; Syrian, 45s. Italian block, 375s. per cwt., spot; Italian stick, £385 to £525 per ton, as to quantity and grade. Turkish block is available at from 240s. per cwt.

Mace.—West-Indian blade, on the spot, is quoted at 7s.; pickings, 4s. 6d. to 5s. 6d. per lb., according to quality.

Menthol.—Brazil on spot is offered at from 46s. to 50s. per lb. The Brazil shipment market remains firm and prices (July-August) have advanced to 57s., c.i.f., but resellers are reported to be offering at 48s, c.i.f.

Papain.—East African No. 1, 26s. per lb., spot; Ceylon, 21s.

Podophyllum.—American (peltatum) is offered spot London at 300s. per cwt., duty paid; Indian (emodi) is quoted at 340s.

Psyllium seed.—Little business ported. French black, 2s. 3d. per lb., duty paid; Indian (Isphagula), 120s. per cwt.,

QUASSIA.—Dealers are quoting chips at about 37s. 6d. per cwt., spot.

QUILLAIA.—Natural bark is available at about 105s. to 110s. per cwt., spot.

QUINCE SEEDS .- Cape, spot, 4s. 3d. to 5s. per lb.

Rhubarb.—Chinese rough-round is offering at from 4s. 6d. to 5s. per lb.

Sandarac.—Spot quotation is lower at 5s. per lb.; to arrive, 4s., c.i.f.

SARSAPARILLA.-Jamaican, native red. spot, quoted at 2s. 4d. per lb.; 2s. 3d., c.i.f.

SEEDS.—ANISE.—Cyprus is offered at 1s. 5½d. per lb.; Turkish 1s. 6d. per lb., duty paid in London. CARAWAY.—Quiet. Dutch, spot London, sellers quoting 11d. per lb., duty paid. CELERY.—Unchanged. Indian offered at 1s. 3d. per lb., spot London or Liverpool. CORIANDER.—Slow of sale. Argentine quoted at 44s. per cwt., duty paid, London; splits offered at 33s. per cwt., duty paid, London or Liverpool. CUMIN.—Indian is unchanged at 212s. 6d. per cwt., spot Liverpool; Cyprus now at 212s. 6d. per cwt., spot London. DILL.—No business reported. Indian quoted at 47s. 6d. per cwt., spot London, and 46s. per cwt., ex store Liverpool. FENNEL.—No demand. Indian is nominal at 72s. 6d. per cwt. spot London; 70s. per cwt. quoted, ex store Liverpool. FENUGREEK.—Inquiries for Indian, spot Liverpool, at 44s. per cwt.; 47s. 6d. per cwt. quoted, spot, London.

Senega.—A dull market. Dealers are

SENEGA.—A dull market. Dealers are asking 10s. 6d. to 11s. per lb.

SENNA.—Tinnevelly leaves on the spot are quoted as follows: No. 1, 9d. to 1s. per lb.; No. 2, 8d.; No. 3, 5½d. Tinnevelly pods, hand picked, 9d. to 1s. 4d.; manufacturing, 5d. to 5½d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing from 1s. to 1s. 9d. per lb. Alexandrian leaves 1s 2d. per lb. f.a.g. Alexandrian leaves, 1s. 2d. per lb., f.a.q.

SHELLAC.—Easier. Spot quotations, ex warehouse, London, F.O.T.N. pu'e, 320s.; F.O. Standard 1, 330s.; fine orange, 340s. to 380s. per cwt.

Squill.—Italian white, 63s. to 65s, per cwt., spot, according to quality and seller. STROPHANTHUS.—100 per cent. Kombé is

quoted at 12s. 6d. per lb., spot. STYRAX.—Supplies on the spot are

offered at 7s. 9d. per lb., duty paid.

TAMARINDS. — Barbados is quoted at 52s. 6d. per cwt., duty paid.

Tonka Beans.—Frosted Pará on the spot is quoted at 5s. 6d. per lb. Few offers of cheaper material.

WAXES.—A quiet market, with spot prices generally tending easier. Bees'.—Dar-es-Salaam on spot is offered at 335s. per cwt.; shipment, 300s., c.i.f. Lindi is quoted at 330s., spot, and 295s. per cwt., c.i.f., forward. Benguela, 345s. per cwt., duty paid; in bond, 315s.; shipment, 300s., c.i.f. Candelilla.—Spot, 385s. per cwt.; shipment, 375s. Carnauba.—Prime yellow is quoted at 650s. per cwt.; shipment, 610s., c.i.f. Fatty grey on spot, 420s. per cwt.; afloat, 410s., c.i.f.; for shipment, firm at 400s., c.i.f. Chalky grey, 415s. per cwt., at 400s., c.i.f. Chalky grey, 415s. per cwt., at 400s., C.H. Charky stey, 410s. per cwt., spot; shipment prices have advanced to 390s., c.i.f. Montan.—Reibeck, 300s. per cwt., spot, and Czechoslovak crude, 265s. OURICURI.—7.5 per cent., 375s. per cwt., spot; 1 per cent., 410s., spot, and shipment, 270s. 395s., c.i.f.; 5 per cent. shipment, 370s., c.i.f. Spermaceti.—Quoted at 3s. 6d. per lb., spot.

Essential and Expressed Oils

ALMOND.—Sweet oil, 8s. to 9s. per lb., Bitter essential oil from 30s. to 45s. per lb., as to quality and seller.

CINNAMON.—B.P. oil, 60s. to 70s. per lb. Leaf oil, spot, is at from 7s. 9d. to

9s. per lb.

CITRONELLA. — Ceylon is offering at 3s. 6d. per lb., spot, and 3s. 3d., c.i.f. Java on spot is tending firmer at 7s. per lb., forward, 5s. 6d., c.i.f.

EUCALYPTUS.—70-75 per cent. (B.P.), 4s. 3d. per lb. for drums, and up to 5s. 9d. for smaller quantities; shipment, 3s. 8d.,

c.i.f.

LAVENDER.—Easier. French, 38-40 per cent., is quoted at 21s. to 24s., spot; 40-42 per cent., 24s. to 25s. Spanish (spike) is steady at 9s. to 11s. per lb., spot.

Lemongrass.—The spot quotation is lower at 5s. 9d. per lb. for original containers, with up to 6s. 6d. asked for smaller quantities; forward, 5s. 4½d., c.i.f.

Palmarosa.—Supplies are short on spot and prices are at 35s. per lb.; forward,

29s., c.i.f.

Patchoull.—An easier market. Seychelles on spot is offered 45s. to 50s. per lb.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., as to quantity and quality. Sandalwood.—English-distilled, in limited supply, is quoted at 75s. to 90s. per lb.

World Mineral Industries No. 4—Bismuth

THE following table gives principal sources of production of bismuth ore, etc. The output is expressed in cwt.

PRODUCING COUNTRY	1938	1941	1944
Union of S. Africa— ore (Bi content) Canada—	52	7	16
metal and content of bullion Australia—	85	67	1,106
ore and metal (Bi content) France— mispickel (Bi con-	87	14	70
tent) metal Roumania—	335 180	600 (a)	60 60
Bi-Mo ore Mexico	3,-3-	(a)	(a)
cre (Bi content) Bolivia— ore, etc. (Bi con-	0, 0.	1,928	3,248
tent) Peru—	338	248	12
Pb-Ag bullion, etc. (Bi content) metal	259	3,506 5,451	8,192
() I C		3,43.	0,194

(a) Information not available.

CORRESPONDENCE

Government Surplus Disclaimer

SIR,—I should be grateful if you would allow me to make good an omission in the list of adherents in our letter in the C. & D., June 5 (p. 741) on the subject of the disposal of Government surplus stores. The name of J. F. Macfarlan & Co. should be inserted as an adherent to the announcement.

Yours faithfully,
J. DAVIDSON PRATT,
Director and Secretary,
Association of British Chemical
London, W.I.
Manufacturers.

Fish Poisons

SIR,—Rather more than fifty years ago, by no means infrequent request for "fish berries" usually met with a definite refusal to assist poaching in fishing preserves. The informative article by A. E. H. in the C & D. (June 26, page 838) reminds me of an experience which chanced to come my way in 1890. We were buyers of considerable quantities of senna leaflets and my father set me the task of looking for leaflets with an emarginate apex in Alexandria senna. This was with the object of discovering the presence of Tephrosia as an adulterant. Amongst my findings was a small legume containing seeds which we planted in the greenhouse and from which we obtained several seed-When these matured the leaflets were found to possess a most distinctive emarginate apex and, with the assistance of the Kew Authorities, the plants were pronounced to be Tephrosia. Since those times senna leaves have been almost entirely replaced, for medicinal purposes, by the pods, and rotenone has been dis-covered and has become extensively used as a non-poisonous insecticide for many purposes. Now that it is known that Tephrosia contains rotenone, the claim that rotenone-containing plants (derris, lonchocarpus and tephrosia) are not poisonous must be more carefully considered, for A. E. H. has demonstrated that Tephrosia is toxic to fish. My own experience of powdering derris is that the atmosphere of the dusty mill room is best avoided if my throat is to remain comfort-There need be no fear of Tephrosia pods being substituted for senna. size distinguishes them easily.

Yours faithfully, C. EDWARD SAGE, F.R.I.C., Ph.C. London, N.2.

MARKS TRADE

(From "The Trade Marks Journal," June 9)

"SUTHEEN"; by Bengue & Co, Ltd., Alperton, Middlesex; 660,080. For pharmaceutical preparations (5).

"Fraigrex"; by Continax, Ltd., London, W.1; 660,241. For germicidal and deodorising fluid

"UCOSIL"; by H. Lundbeck & Co., Copenhagen, Denmark: 660,269. For pharmaceutical preparations and substances (5).

"DOLOPAX"; by Camden Chemical Co., Ltd., London, W.C.1; 660,273. For pharmaceutical preparations and substances (5).

"Sectacine"; by William Pearson, Ltd., London, S.W.1; 669,008. For insecticides and insect-

repelling preparations (5).

"FIDELIS"; by Fidelis Surgical Appliances, London, E.12; 660,074. For surgical appliances (10).

"Velvex"; by Velvet Crepe Paper Co., Ltd., Alperton, Middlesex; 656,513 (Associated). For toilet paper and paper handkerchiefs (not medicated) (16).

"WELGROOM"; by M. Wintrob & Sons, Ltd., Toronto, Canada; B657,332. For combs (21).

"Rondated"; by Halex, Ltd., London, E-4; 659,671. For tooth-brushes, hair, nail and shaving brushes (21).

(From "The Trade Marks Journal," June 16)

"BORILINE"; by Borax Consolidated, Ltd., London, E.C.4; 657,016. For boric oxide and compounds of boric oxide for industrial purposes (1).

"ENDROP"; by Shell Chemicals, Ltd., London, E.C.3; B658,190. For agricultural and horticul-

tural chemicals (1).

"THIOTRENE"; by the V.T.M. Research Laboratories, Ltd., Birmingham, 23; 659,337. chemical products containing sulphur for use in photography (1).

"Durol"; by Kodak, Ltd., London, W.C.2; 659,979. For photographic chemicals (1).

"SOTOMINE"; by May & Baker, Ltd., Dagenham; 660,401. For all goods (1).

"NINOIL"; by Nintonia, Ltd., London, S.W.8; 654,886. For oil preparations for use in waving the hair (3).

"ANGEL FACE"; by Pond's Extract Co., Ltd., Greenford; B655,478. For non-medicated toilet preparations and cosmetics, excluding soap (3).

"PHISODERM" in distinctive lettering; by Winthrop Chemical Co., Inc., New York; 657,849. For non-medicated toilet preparations for the skin (3).

"SILVER DEW"; by Pin-up Cold Perm-Wave, Ltd., London, E.C.2; B657,613. "BOUQUET - LENTHERIC" (word "Bouquet" disclaimed); by Lentheric, Ltd., London, W.1; 658,280. "Snow-FIRE " and device of mounted warrior by F. W. Hampshire & Co., Ltd., Derby; 659,756. Device of a woman sitting in oriental manner; by Eugene, Ltd., London, N.W.9; 659,604. "PATATIQUE" by Arnold Harry Munro (Junior), London, S.E.21; 659,992. For non-medicated toilet preparations, cosmetics, etc. (3).

"Ancoral"; by British Continental Drugs, Ltd., London, S.E.11; 653,244. "Neo-Evarsan"; by Evans Medical Supplies, Ltd., Liverpool, 19; 659,964. "Deflamin"; by Bayer Products, Ltd., London, W.C.2; 660,396. For pharmaceutical preparations and substances (5).
"Nordol" and "Nordex"; by the "Nu" Pro-

ducts Co., Ltd., Cardiff; 659,836-37. For disin-

fectants (5).

"IRGATEX"; by J. R. Geigy Société Anonyme, Basle, 16; 654,565. For moth-repelling and destroying preparations (5).

"Luna"; by Luna Inserts, Ltd., London, E.11; 656,068. For catamenial appliances, sanitary

underclothing, etc. (5).

"ALLISOLIN"; by Garlic Deodorised Antiseptics, Ltd., Fairlight, Sussex; 656,385. For medicated

preparations for internal use (5).

"ASCOLADE"; by Ade Pharmaceuticals, Paignton; 656,595. For pharmaceutical preparations in tablet form for use in the treatment of gout, rheumatism and similar ailments (5).

"Hypocain"; by Reynolds & Branson, Ltd., Leeds; B658,476. For anæsthetics (5).

"EDOS"; by Edosan, Ltd., London, N.W.6; 658,545. For surgical dressings and menstruation appliances, none being made of indiarubber (5).

"Sulpenzole"; by Hirst, Brooke & Hirst, Ltd., Leeds; 658,934. For medicated powders (other than snuff) for use by snuffing or insufflation (5).

"CUMBELLO"; by Cumberland Paper Co., Ltd., Cleator, Cumberland; 660,745. For medicated

toilet paper (5).

"AEROTRON"; by Frank William Webb, Chadderton, Lancs; 647,815. "DALEX"; by Gaskell & Chambers, Ltd., Birmingham, 4; 651,772. For scientific and electrical apparatus and instruments, etc. (9).

"Norpel"; by Norman Pell (Sales), Ltd., Northampton; 660,704. For non-medicated toilet

paper (16).

COMING EVENTS

Monday, July 5

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY Central Library Hall, Beckenham, at 8 p.m. Annual meeting.

Tuesday, July 6

ROYAL AGRICULTURAL SHOW, York. (York Chemists' Association have organised reception marquet for pharmacist and doctor visitors). Open until July 9.

Wednesday, July 7

LONDON CHEMISTS' GOLFING SOCIETY. Meeting a Sundridge Park Golf Club (Telephone: Ravens bourne 0278).

Manchester Pharmaceutical Golfing Society Competition at Mere Golf Club for Woolley trophy. Coaches leave Central Station at 1.45 p.m., returning at 9 p.m. (fare 5s.)

Monday, July 12

Society of Chemical Industry, Assembly Rooms, George Street, Edinburgh, at 8 p.m. Opening Session of annual meeting (series continues unti July 17).

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"PARA-CHLOR-META-XYLENOL" TYPE

Can be recommended for general, medical and personal use. The pleasant aroma attained by incorporating Ti-tree Oil makes an instant appeal to the discriminating user.

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NON-POISONOUS
SAFE AND RELIABLE
3 TIMES STRONGER THAN PHENOL
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FORMS A CLEAR SOLUTION IN ALL
PROPORTIONS WITH WATER
A WORTHY MEMBER OF THE FAMOUS

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25/3 doz.

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The 'Clinbritic' Vaccine Bottle

Patent No. 492200
MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS



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Assembly Details.

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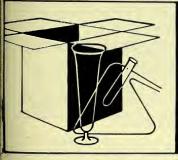
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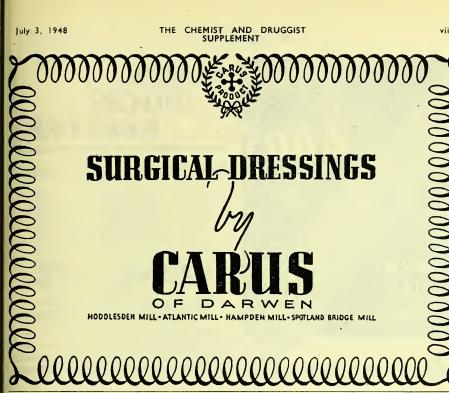
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Dr. Scholl's *Super-Soft* Zino-Pads are made in sizes for corns, callouses, bunions and soft corns. It is very important to see that the customer does get the size required.

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A special parcel of six dozen Super-Soft Zino-Pad packages is available on direct orders in return for a window display during July. This is made up of 3 dozen corn, I dozen bunion, I dozen callous, I dozen soft corn size. A BONUS of one free package with each dozen, and an attractive set of showcards will be included in each parcel.

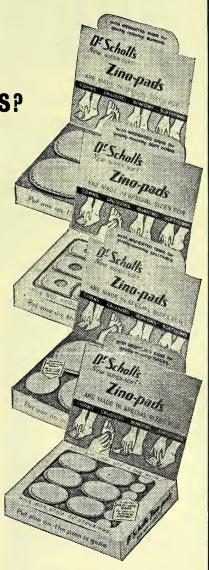
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With every dozen packets we send new and novel dummy packets free. With a picture top they illustrate the quality and quantity of the product which each packet contains. It is a really simple way to keep the goods in front of the customer. Make use of it and reap the benefit it will bring you.

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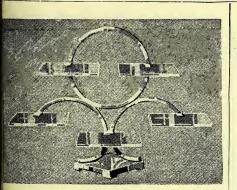
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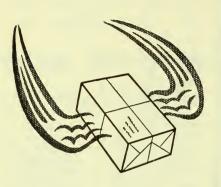
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LADY ASSISTANT required. Apothecary Hall or unqualified with knowledge of dispensing. Duties mainly dispensing, other staff kept. No Sunday or half-day duties. Good salary. Vincent's Chemists, 22 Herbert Rd., Plumstead, S.E.18.

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TIMOTHY WHILES & IATLORS have a number of vacancies for managers in the Metropolitan and Greater London area. Applications are invited from pharmacists with managerial experience. Satisfactory conditions of employment, including pensions scheme, available to suitable applicants. Please apply to Mr. W. E. Stokes, M.P.S., 70 Vauxhall Bridge Rd., London, S.W.1.

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chiefly for dispensing. Walker's Pharmacy, 77 Church St., Preston.

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A LEADING FIRM of baby food manufacturers invite applications from experienced pharmaceutical representatives of good trade standing, between the age group 30-40, in connection with a vacancy covering South Wales, Bristol and the West Country, resident in Bristol. The appointment is of a permanent character, correcting a good selection.

try, resident in Bristol. The appointment is of a permanent character, carrying a good salary, pension scheme, and prospects for personal advancement. Box 4/64

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ASSISTANT MANAGER for Midland manufacturing laboratory, B.Pharm, or Ph.C. with experient of the manufacture of galenicals and tablets essettial. Good prospects of promotion. Also assistated for assay laboratory; some analytical knowled and experience necessary. Box 4/65.

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AV13.

AN ESTABLISHED firm of manufacturing chemis and distributors requires superior representative for the following areas to take over existing connections. Must have strong connections with has dressers for sale of exclusive French cosmetic perfumes, etc., and also of an exclusive range ornamented combs, jewellery, etc. Remuneratic preferably by commission only, but would conside part expenses and commission. (1) Yorkshir (2) Northumberland and Durham; (3) Surre Hants; (4) Middlesex, Herts, Bucks, Oxon, Berl Write, Box 3/922.

CHEMIST with good experience in cosmetic and commission of the commission of the commission of the commission.

CHEMIST with good experience in cosmetic all pharmaceutical preparations required by manufacturers in the provinces. Please give full detail qualifications, experience, etc., in confidence

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COMMISSION AGENTS required to sell to chemis and druggists in the North, East Anglia, the Milands, and the West Country, nationally advertis patented line. Full sales aids, including lists customers provided. Eneregiic men with prowsales records and good connections should send fi details of lines now carried, territory covere whether car owner and frequency of call on ct comers, to Box No. 254, Dorland Advertising Ltc London, S.W.1.

CALMIC, 1TD., Crewe Hall, Crewe, have vacan for young M.P.S. to be responsible for assay raw materials and finished products, and genei production duties. Salary £350-£400 p.a., according to experience. Replies to be addressed to Wor Manager.

Manager.

CORNWALL, Devon and Somerset. Manufacturir chemists marketing nationally advertised toilet at medicinal products require experienced sales representative to call on chemists and grocers in We Country territory. Motor-car provided; supera nuation scheme available. Write, giving details age, experience and salary required, to Box 3/96 CUSSONS, SONS & CO., LTD., of Kersal Val Manchester, 7, require the services of two additional representatives for (a) Scotland; (b) Not tinghamshire, Derbyshire, Leicestershire and Li colnshire. Applications will be considered on from experienced men already resident on the control of the

ESTABLISHED WHOLESALERS require two repr tatives; one for the Midlands and the other f Yorkshire and the North of England, to call up stores, Co-ops., chemists, drapers, etc., with cherists' sundries, baby and drapery lines, househo goods, toilet accessories. Commission basis. On those with experience in this trade need appl Car essential. Box 4/54.

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2. Kent, Sussex and Surre Highest credentials necessary; reply in confidenc stating age, experience and territory covered (car owner). All complete applications will be acnowledged. Apply Sales Manager, Box 4/23.

EXPERIENCED REPRESENTATIVES with connection connections are connected to the connection of the c

chemists, stores, Co-ops., etc., to carry addition line in short supply. Immediate delivery and ever support given to really energetic men. Teritori available. Midlands, Yorkshire, Northumberlar and Durham, South Wales and West. Box 4/6

VANS MEDICAL SUPPLIES, LTD., require a chemt for analytical control work. Applicants should use B.Pharm or Ph.C. qualification, preferably so a degree in chemistry or A.R.I.C. and good sperience of analytical work. Salary according to unlifications and experience. Applications to be diressed to The Manager, Evans Pharmaceutical aboratories, 29 Fleet St., Liverpool, 1.

aboratories, 29 FIGET St., Liverpool, 1.

OME SALES MANAGER required for pharmaceucals division of British Schering, Ltd. Applicants ould be experienced in the distribution and sales romotion of ethical pharmaceuticals in the Home arket and conversant with the administration of e requisite indoor and outdoor staffs and with rrent legislation affecting the pharmaceutical ade in the United Kingdom. Applications, which ill be treated in confidence, should be addressed "Joint Managing Directors," and marked Sales Manager."

Sales Manager. TERNATIONALLY known toilet brush manufacturers require representation in West of England and South Wales. Own car essential. First-class ontacts with all outlets for this type of product ecessary. Apply, giving fullest particulars, to

ables REQUIRED to represent manufacturing nemists extending their propaganda to the nursing rofession. Vacancies exist in Birmingham, Liverol, Manchester and Bristol areas. Applicants, alified or unqualified, need not have experience representatives, but should have aptitude for is interesting type of work, and be not under years of age. Write, stating salary expected.

ox 4/38.

EADING INFANT FOOD manufacturers require re-FADING INFANT FOOD manufacturers require re-resentatives aged 27-35 to call on welfare centres, ospitals, doctors and chemists. Pharmaceutical ualification or scientific training essential and ust be able to drive a car. Several areas vacant, cluding Northern half Scotland. Send, in con-dence, fullest details of career, including age and lary expected, to Box No. 10726, Saward, Baker Co., Ltd., 27 Chancery Lane, W.C.2.

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For Northern Ireland and Scotland, by makers of the well-known "Maestro" Giant Shaving Stick (pure soap) and "Maestro" Shaving Cream. Apply, giving full details, Esmorea Chemical Products, Ltd., 106 Regent St., London, W.1.

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EDICAL REPRESENTATIVES required to call on ospitals and doctors in:—(1) Liverpool; (2) N.E. ounties; (3) North Lancs; (4) Oxon, Hants, etc. bility and experience in detailing and selling and departed but weighted by the second of the control of t bility and experience in detailing and sening and dvantage, but registered pharmacists with a high-ass pharmaceutical background would receive norough training. Residence on territory desired, see not over 35 years. Full details with application to Evans Medical Supplies, Ltd., Home Medial Dept., Speke, Liverpool, 19. NORTHAMPTON, Bedford, Oxford, Bucks and Berks. Experienced representative required to sell to chemists and grocers, nationally advertised toilet and medicinal products. Car provided. Superanuation scheme operative. Write, giving details of age, experience and salary required, to Box 3/067 of ag

PHARMACIST required as assistant laboratory manager by wholesale manufacturing chemists in West Yorkshire. Required to supervise the manufacture of galenicals, and take charge of dangerous drug department. Give full particulars of experience and salary required. Box 4/53.

and salary required. Box 4/53.

PRODUCTION MANAGER for pharmaceutical and cosmetic manufacturers in Middlesex. Good technical qualifications and experience. Personnel management, loyal team work and attention to detail important. Four figure salary, pension. Age 35-40. Write confidentially. Box 4/56.

PROGRESSIVE London exporters with well-established overseas connections have vacancy for a departmental manager to take full charge of chemicals (fine and heavy), essential oils and drugs. Only persons with previous experience in the trade and knowledge of export markets, able to work on own initiative considered. The position offers considerable scope for a man with drive and capacity for hard work. State age, experience and salary required, to Box 3/965.

PROMINENT COMPANY invites applications for

required, to Box 3/965.

PROMINENT COMPANY invites applications for progressive position on representative staff from men with all-round experience in retail pharmacy. Successful applicant will be required to conduct medical and dental propaganda in addition to normal trade detailing in the pharmaceutical field in South Yorks and Derby. Remuneration is by salary and expenses. Write in confidence, age and salary required, to Box 4/45.

REGISTERED CHEMIST (B,Pharm. or Ph.C.) having knowledge of chemical assay process for vitamin and medicinal substances required by reputable firm producing medicinal specialities in West London area. Salary according to experience and qualifications. Write, giving two testimonials, to Box 227, Smiths', 100 Fleet St., London, E.C.4.

REPRESENTATIVES REQUIRED

Lancashire, Cheshire and North Wales areas. To call upon chemists, well-established C.F. Salary and expenses. Preferably carowners. Please write, giving age, full experience, connection if any, to Box 4/19.

REPRESENTATIVES required by manufacturers of perfumery and cosmetics for Home Counties, Midlands, Scotland, to call on wholesalers, stores, Co-ops, chemists. Established travellers carrying supplementary lines considered. Excellent prospects for energetic men. Salary, high commission, expenses. Box 4/33.

REPRESENTATIVE (aged about 25) required for London and Home Counties, to develop sales of aromatic chemicals, compounds and specialities. Apply, initially in writing, quoting reference No. 1572, to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

REPRESENTATIVE required for London and surrounding area up to 120 miles radius, to sell well-known branded goods to wholesale dealers in small-wares, toys and fancy goods. Salary and commission estimated to yield £1,000 plus expenses. Only first-class men with live connections considered. Box 4/27.

REPRESENTATIVES on commission basis required to carry well-advertised C.F. preparation to retail chemists. Good commission paid to suitable applicant. Must have well-established connection. Apply Box 4/73.

REPRESENTATIVE required. Solid connection with chemists. Indicate whether contacts include whole-salers and state terms and territory desired. Ex-clusive lines. Interview London. Box 4/75.

REPRESENTATIVES required to carry exclusive cosmetic lines established with existing connections, Areas: Scotland, Northern Counties, Midlands and

South Coast. Good remuneration to applicants with experience. Box 4/52.

REPRESENTATIVE required to carry as additional lines on commission basis best quality shaving and

lines on commission basis best quality shaving and hair brushes, suitable for stores and high-class chemists. Box 4/62.

REPRESENTATIVE with first-class experience required by the manufacturers of "4711" perfumery and cosmetics, to work Glasgow and West of Scotland. Applicant please state age, salary expected, when disengaged and full particulars. Replies will be treated as strictly confidential. Car provided. Please reply in the first instance by letter, to R. J. Reuter, Co., Ltd., "4711" Factory, Bedford Avenue, Slough, Bucks.

REPRESENTATIVE REQUIRED on commission basis for a firm marketing a nationally advertised pro-

REPRESENTATIVE REQUIRED on commission basis for a firm marketing a nationally advertised product to call on retail chemists in the Lancashire and Cheshire areas. Please reply giving full particulars of age, experience and lines now carried, to Box 10706, Saward, Baker & Co., Ltd., 27 Chancery Lane, London, W.C.2.

REQUIRED for factory in Eire, two chemists, one for factory control and second for laboratory control and research of medicinal products. Applicants should be qualified in biochemistry, pre-ferably with post-graduate research experience.

plicants should be qualified in biochemistry, pre-ferably with post-graduate research experience. Commencing salary will be of the order of £500 per year. Apply, giving full details, to Box 4/28. **RESIDENT REPRESENTATIVE** for Northern Ireland, aged 27-35, required by leading infant food manu-facturers to call on welfare centres, hospitals, doc-tors and chemists. Pharmaceutical qualification or scientific training essential and must be able to drive a car. Send, in confidence, fullest details of career, including age and salary expected, to Box 3/917.

3/917.

RETAIL REPRESENTATIVE for West Country and South Wales will be appointed shortly. Applications, by letter only, should give fullest details of experience, age, education, etc., and terms expected. Arthur H. Cox & Co., Ltd., 93 Lewes Rd., Brighton.

SALES MANAGER required by leading North of England proprietary medicine house. Must have good connections and experience with the chemist and allied trades and have held similar executive appointment. Able to control staff. Excellent prospects to industrious, reliable man. Reply, giving age, experience, name of present company (in confidence) and salary required. Lease of flat may be arranged. Box 4/25.

SALES REPRESENTATIVE required. A young, energetic pharmacist interested in a career with an

getic pharmacist interested in a career with an old-established firm of manufacturing and wholesale chemists to develop established connection chemists to develop established connection with retail chemists, hospitals and clinics in the South of England. This progressive appointment carries remuneration including salary, commission and expenses. Replies, giving full particulars of experience and age. Send photograph if possible and state if car owner, to Box 4/9.

SOUTH-EAST SCOTLAND. Experienced representative required to sell to chemists and grocers nationally advertised toilet and medicinal products.

nationally advertised toilet and medicinal products. Superannuation scheme operative. Car an advantage. Write, stating details of age, experience and salary required, to Box 3/968.

UNQUALIFIED LADY ASSISTANT required by Wright, Layman & Umney, Ltd., for ampoule department. Apply with full particulars of age, experience, etc., to 66 Park St., S.E.I.

UNQUALIFIED MALE assistant required for manufacturing and wholesale chemists South of England. Applicants should be experienced in the packing

Applicants should be experienced in the packing and checking of pharmaceutical products. Excellent prospects for energetic, conscientious worker. Apply with full particulars, to Box 4/10.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large compared operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work of process plant; should possess B.Sc. degree and process plant; starting age and full details of qualifications at experience, quoting department F.18, to Box 10 at 191 Gresham House, E.C.2. at 191 Gresham House, E.C.2.

at 191 Gresham House, E.C.2.

I.C.I. (MALAYA), LTD., have vacancies for chemist and an agriculturist in their Singapore sa office. Age limits in both cases 20 to 30. Singmen preferred. Salaries according to age a qualifications. In addition to basic salary the are certain allowances to cover high cost of livin Qualifications for chemist, B.Sc., or equivalent a if possible some experience in technical servic and development. Agriculturist: First part of t Natural Science Tripos and Agricultural Diplor or B.Sc. in Agriculture. Application forms me obtained from Central Staff Department, I.C. Ltd., 2 Grosvenor Pl., S.W.1.

PHARMACIST urgently required for service will large industrial concern operating in the Mide East. Large hospitals and staff of British M.O. and sisters. Considerable dispensing for hospitand outpatient clinics. Applicants must he M.P.S. and be not over 35. Attractive salary pgenerous allowance in local currency. Free psage out and home, medical attention, kit allo ance. Write, giving age and full details of quafications and experience, quoting Dept. F.94, Box 1250, at 191 Gresham House, E.C.2.

SOUTH AFRICA, Port Elizabeth. Pill and tab maker's assistant required. Single man used up-to-date methods. Salary £35-£40 per mon plus cost of living bonus. Further details fro Orridge & Co., 184 Strand, W.C.2.

SITUATIONS WANTED

3/- for 18 words or less, Id. for every additional wo

RETAIL (HOME)

ADVERTISER, reliable, active, long, wide experier all branches including N.H.I. dispensing, set temporary or permanency. Unqualified. Recendisposed own successful business. Unfurnish house or accommodation (or likelihood of procing) desirable. J. W., 17 The Grove, Islewor Middlesex.

AVAILABLE for residential appointment after 5, Hall certificated woman dispenser. Hospital institution preferred. Willing assist clerical rection duties. Box 4/69.

CHEMISTS' ASSISTANT or dispenser; permanent temporary. London and provincial experien unqualified, abstainer, Apply "Dispenser," (unqualified, abstainer. Cowbridge Rd., Cardiff.

CHEMIST'S DAUGHTER requires position; Apotl cary Hall; 17 years' experience; any part Londo Available August. Miss M. c/o 71 The Greenw Uxbridge, Middlesex.

STOCKTAKING, quiet and efficient workmansh over 30 years' practical experience. Personal sup-vision. C. W. Playfoot, 8 Aylward Rd., Mert Park, S.W.20. Tel. Liberty 4104.

WANTED by pharmacist; management, prefera with prospects of interest or succession. S. London or Kent bordering London. State terr Box 4/11.

WHOLESALE

SALES OR PRODUCTION MANAGER. Gentlesales or production manager. Gentlen, age 40, seeks progressive position with good m. 23 years' comprehensive all-round experice of the pharmaceutical trade, including retail, olesale and manufacturing, production, sales nagement, used to handling large staff, both loor and outdoor. Apply Box 4/72.

DNSCIENTIOUS REPRESENTATIVE. Fine appearace, with many years' selling experience and nice mection with Co-ops., chemists and wholesalers Midland counties, desires post with reputable use. Salary, expenses and commission required. x 4/37.

x 4/37.

ITHUSIASTIC young man (19½), 4½ years' exitence retail, seeks position with reputable firm,
representative for N. Ireland. Salary, commisn and expenses. Commence September. Box

and expenses. Commence September. Box 36.

PERIENCED REPRESENTATIVE, good sales record de connection North-Eastern area, desires change, by reputable firms need offer. Box 4/48.

D-AHEAD BUSINESS GETTER, fine connection emists, etc., London and Home Counties, North le, is looking for sell-at-sight lines. Interest and ne given to worthwhile products. Box 3/964.

OME COPY typewriting required by married lady, City bank and pharmaceutical secretary-short-ind typist. Box 4/15.

EDICAL REPRESENTATIVE, 20 years' experience opaganda for ethical houses, desires change ighest references. Box 4/49.

ODDUCTION MANAGER. Advertiser, energetic, perienced in manufacturing, filling, cartoning, spatch, etc., desires responsible position. Manester or vicinity. Disciplinarian. Box 4/55.

ORKS MANAGER, with ideas and formulæ, experienced pharmaceutical, cosmetics, and food prearations, large or small production methods. Box 71.

ORKS MANAGER. Chemist, 23 years' wide excremence in large scale manufacture of pharmaceus, galenicals, fine chemicals, vitamins, and nino acids, etc. Capable of planning and layout administrative ability; used to andling labour, seeks position in London or Homeounties. Box 3/932.

APPOINTMENTS

CHASE FARM HOSPITAL, ENFIELD MIDDLESE

REGISTERED ASSISTANT PHARMACIST REGISTERED ASSISTANT PHARMACIST required. Non-resident, unestablished post, or locum capacity if preferred, Salary £370 p.a. by annual increments to £450 p.a. incl. If locum, up to 10 gns. p. wk., according to experience, for maximum period of three months. Recently qualified pharmacists considered. Every assistance given to find suitable accommodation locally. Application, stating are qualifications experience with conies of age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital by July 17. No forms.

HILL END HOSPITAL, ST. ALBANS

ASSISTANT PHARMACISTS required. Salary in accordance with the Joint Negotiating Board's Report (Hospital Staff). (£370 p.a. rising by £15 p.a. to £450 p.a. inclusive of cost of living bonus). Apply, stating age, qualifications and particulars of experience, to Medical Director. Medical Director.

HILL END HOSPITAL, ST. ALBANS

ASSISTANT PHARMACIST (Locum Tenens), male or female, required for duty immediately. Salary £8 8s. per week with full board, lodging and laundry. Apply, stating age and qualifications to the Medical Director.

KENT COUNTY COUNCIL

Applications are invited for the following appointment at the ROYAL VICTORIA HOS-PITAL, FOLKESTONE:
PHARMACIST-IN-CHARGE (M.P.S. or Ph.C.) either sex. Should have had not less than three years' Hospital experience after qualifying. Salary £420 per annum, rising by five annual increments of £15 to a maximum of £495 per annum. of £495 per annum.
Superannuation. Medical examination neces-

Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,

Clerk of the County Council.

County Hall, Maidstone. 26th May, 1948.

KING'S COLLEGE HOSPITAL.

DENMARK HILL, S.E.5
ASSISTANT PHARMACIST (registered) required. Salary and hours in accordance with the J.N.C. revised scale. Superannuation scheme in operation. Applications, with details of experience should be sent to The Pharmacist at the above address.

MIDDLESEX COUNTY COUNCIL
WEST MIDDLESEX COUNTY HOSPITAL,

ISLEWORTH, MIDDX.
(a) ASSISTANT PHARMACIST, J.N.C.
(Hosp. Staffs) scale, £370 p.a.-£450 inclusive. Similar experience may determine commencing salary. Must hold one of Pharmaceutical Society's qualifications. Whole-time duties under Medical Director and Chief Pharmacist. Estab-

Medical Director and Chief Pharmacist. Established, subject to medical exam.

(b) LOCUM PHARMACIST required immediately for an indefinite period. Salary 8-10 guineas inclusive, according to experience. Applications to Medical Director of Hospital, stating age, qualifications, experience, with up to three recent testimonials (quoting D.570 CD).

C. W. RADCLIFFE, Clerk of the County Council. Middlesex Guildhall, S.W.1.

MIDDLESEX COUNTY COUNCIL
REGISTERED ASSISTANT PHARMACIST
for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital
Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary.
Whole time, established, pensionable, subject
to medical examination. Applications, stating
age qualifications experience with course of to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591). No forms.

C. W. RADCLIFFE. Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL
REGISTERED ASSISTANT PHARMACIST
required at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hosp. Staffs)
salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary.
Recently qualified pharmacists eligible. Wholetime, unestablished, possible establishment, subject to medical examination. Application, stating age, qualifications, experience, with copies
of up to 3 recent testimonials, to MEDICAL
DIRECTOR at Hospital, IMMEDIATELY
(quoting E.146 CD).

MIDDLESEX COUNTY COUNCIL
NON-RESIDENT LOCUM PHARMACIST
required IMMEDIATELY at CENTRAL
MIDDLESEX COUNTY MOSPITAL, PARK
ROYAL, N.W.10, for an indefinite period.
Salary 8-10 guineas p.w., according to experience. Application to MEDICAL DIRECTOR of Hospital, with copies of up to three
testimonials (quoting E.494 CD).

NORTH STAFFORDSHIRE ROYAL INFIRMARY, STOKE-ON-TRENT

Assistant Pharmacist, female, required. Joint National Council Scale, £370-£450 inclusive. Similar experience may determine commencing salary, though hospital experience is not essential. tial. Applications, with usual particulars and copies of testimonials, to be sent to the Secretary and House Governor.

REDHILL COUNTY HOSPITAL

EDGWARE, MIDDLESEX.

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualification. amination. Application, stating age, qualifica-tions, experience, with copies of up to three recent testimonials, to Medical Director of Hos-pital immediately (quoting D.815 CD). No forms.

SURREY COUNTY COUNCIL.

Applications are invited for the appointment of an Assistant Pharmacist at the Netherne Hospital, Coulsdon, Surrey. Commencing salary will be within the J.N.C. Scale accorying to qualifications and experience and the appointment will be subject to the National Health Service (Superannuation) Regulations 1947. Duties will be interesting and there is a first-class modern cafeteria for members of the staff and numerous social activities. Newly qualified applicants will be welcomed. Applications, giving full details of qualifications and experience, together with two testimonials or the names and addresses of two persons to whom reference may be made, should be sent to the Medical Superintendent, Netherne Hospital, Coulsdon. Coulsdon.

SURREY COUNTY COUNCIL
EPSOM COUNTY HOSPITAL, Dorking
Road, Epsom.
ST. HELIER COUNTY HOSPITAL, Car-

shalton.

shalton.

ASSISTANT PHARMACIST required. Commencing salary on grade £370 x £15—£430 x £20—£450 per annum, inclusive. Applications, stating age, qualifications and experience with copies of testimonials, should be sent to the Medical Superintendent of the appropriate

WHITE LODGE HOSPITAL, **NEWMARKET**

Assistant in dispensing required. Salary according to Joint Negotiating Committee's Scale, i.e., £270, rising to £350 per annum. Applications, stating age, qualifications and experience, with names of three referees or copies of three testimonials, should be sent to the Medical Superintendent as soon as possible. Accommodation may be arranged. modation may be arranged.

PREMISES WANTED

FIRM of manufacturing chemists, with own staff, urgently requires accommodation in London (whole or part premises) for manufacturing purposes. Full details to Box 4/63.

AGENCIES

17/6 for 36 words or less, 4d. for every additional we AGENT FOR EIRE. Foreign manufacturers heavy chemicals wish to appoint highly capal agent for Eire. Reply, as detailed as possible,

AGENTS wanted for various districts, well intiduced and regularly calling on retail chemists four pharmaceutical containers, plain or printed

duced and regularly calling on retail chemists i our pharmaceutical containers, plain or printed novel process to chemists' requirements. Percent Ltd. (The Container People), 130-132 Tooley S London, S.E.1.

AGENTS WANTED for all parts of U.K. for we established range of beauty products. Commissi basis only. Write, giving area covered and idication of other lines carried, to Box 4/21.

ESTABLISHED BRITISH COMPANY setting up sales organisation in Bombay invite applicatio from manufacturers of reputable products to reresent them in India on a commission basis. Wri India Manager, John Knox (Stoke-on-Tren Ltd., Jaynox Works, Fenton, Stoke-on-Tren Staffs. Tel. Longton 39221.

MANUFACTURERS' Agents' Association (C. & D Rosebery House, 8 Bream's Bidgs., E.C.4, supplicated in all, important centres. Membersh

sentation in all important centres. Membersh available to established agents.

SALES ORGANISATION, U.K. coverage Chemis Co-ops, etc. showing progressive results, a SALES ORGANISATION, U.K. coverage Chemis Co-ops, etc. showing progressive results, a prepared to undertake the sole distribution of additional product offering wide sales possibilities. Replies in confidence. Box 532, Arthur S. Dix Ltd., 229 High Holborn, W.C.1.

SMART AGENIS required calling on wholesa smallware and sundriesmen, to sell known ma of surgical dressings on commission basis, N. coast, Midlands, Lancashire and Yorkshire, Sou Wales. Car essential. Box No. 442, G.P.O., Ma chester.

SPECIALITY SALESMAN required by a Lond firm of distributors to carry additional line gentlemen's electrical toilet appliances to chemi-only, on a generous commission basis. Territori gentlemen's electrical toilet appliances to chemis only, on a generous commission basis. Territori concerned: London, South and West England at Eastern Counties. Write Box 225 c/o Mauri Vernon, Ltd., 15 Godliman St., London, E.C. THE SERVICES of a selling agent having travelle calling on wholesale hairdressers' sundriesme wholesale grocers, etc., throughout Great Britai are required in respect of a very attractive, mode ately priced toilet product. Very generous cor mission terms are offered. Apply to Box 3/983. TO COMMERCIAL TRAVELLERS visiting hardwas stores, garages, window cleaners, chemists or war houses and willing to take over additional lines, voffer cleaning chamois leathers of exception quality on commission and premium basis. Plea contact Box 4/34.

AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional wo MANUFACTURERS' AGENT, on commission basi wants good selling lines; suitable wholesalers Lancashire or Potteries (chemists, stationer grocers). M. W. Willis, Gables, Grove Ave., Blac

Lancashire or Potteries (chemists, stationer grocers). M. W. Willis, Gables, Grove Ave., Blacrock, Dublin.

NEW ZEALAND. Manufacturers' representative r turning to Auckland in August requires sever additional sole agencies from reputable Britimanufacturers. Firms interested are invited toommunicate with Hillard McMullen, 43 Mounview St., Belfast. Phone 28193 Belfast.

SELLING AGENT, covering Lancashire and Chshire, requires one or two sole agencies of interesto chemists, and/or grocers. C.F. lines preferred to chemists, and/or grocers. C.F. lines preferred to the stablished firms only. No sub-agencies. Box 4/3. SUCCESSFUL REPRESENTATIVE wishes to comence as an agent in South-West England. Welknown to wholesale and leading chemists, depar known to wholesale and leading chemists, depar mental stores, Co-operative Societies and whole sale warehousemen. Reputable firms invited to communicate. Car owner. Box 4/70.

BUSINESSES FOR DISPOSAL

for 36 words or less, 3d. for every additional word

EMISTS. Lock-up shop, opposite Everitts Park, th room, store. Write 144 Bridge Rd., Oulton

NDON, WEST END. Cosmetic business for sale. ck-up shop and basement, 19½ years lease; turner £3,500, scope for pharmacist. Cash £2,500, v. Box 4/59.

IN STREET, BEDFORD. Herbal stores with large gical rubber trade. Long lease; rent £100, exsive. Eight rooms, yard, outbuildings, side ennec. Electric, gas. Stock, fittings, goodwill, lease, ,000. 'Phone Bedford 5430.

ALL MANUFACTURING chemist's business for e. North-West coast. Minimum cash required, 000. Suit enterprisng traveller with business e. Apply E. H. Beckett, Knott End-on-Sea, ncs.

BUSINESS OPPORTUNITIES

6 for 36 words or less, 4d. for every additional word

VERTISER would like to hear from chemists with re accommodation either on the ground floor their premises, or on the first floor, who would interested in the use of such space for greatly reased business without incurring any expense their part. Only those with business in good opping centres entertained. Box 4/58.

RTER. Private country pharmacist who has little up but plenty packets of saccharine tablets uality guaranteed) wishes to contact another use stock position is reversed. Write, in conence, to Box 4/39.

AT BOTTOM GLASS TUBES, \(\frac{5}{8}\)". Contracts inted in any size. Dunford, Glassworks, 107B estgate, Wakefield, Yorks.

ANUFACTURING CHEMISTS have facilities and ace available for the manufacture and/or packing domestic, industrial or toilet products. Bottle, wder and tube filling. Frank Macowal, Ltd., 30 ughborough St., S.E.11. Reliance 3435.

ATION-WIDE sales organisation with remarkable ord of successful merchandising is open to confer one or two lines. Only branded lines offering sibilities of big permanent business are of inest. Box S.551, c/o Erwoods, Ltd., 211 Piccally, London, W.1.

LE DISTRIBUTOR for Home market wanted for portant ethical line who is interested to invest medical propaganda. Write Box 3/978.

BLETS. A well-known food manufacturing comny have available tableting capacity. Large quantes can be handled quickly and efficiently undergienic conditions. Complete packaging can be ranged it required. Inquiries to Box W.731. addons', Salisbury Sq., London, E.C.4.

PROPRIETARY MEDICINE manufacturers. glish company having just completed registration Indian company (entirely British controlled) is lling to undertake manufacture and/or market, including advertising, for a limited number British companies experiencing difficulty in ding with India. New factory with up-to-date anufacturing facilities. Technical and control of entirely British. Write Box 4/5.

HY NOT BE A SALESMAN with our proved stal training and guaranteed appointments serewhich secured 1,000 salaried sales vacancies 1947? Previous experience unnecessary with our years' specialised experience to aid you. Send lay for free details, Wallace Attwood College, pt. 84, Attwood House, Finchley Rd., London, ept. W.3.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word BLOCK STEARINE. Ton, packed in 1-cwt. bags. M.P. 120-122° FFA 98.5, 2/- lb. x/wf. London. Box 3/888. BRAND NEW Manesty rotary tableting machine for sale with one set punches and dies, 13/32 in. dia. Enquiries to Box 4/24. CLEAR MEDICAL BOTTLES. 200 gross each 2½-oz. and 4-oz., with metal and plastic screw caps, 20/gross to clear (ex Manchester). Box 4/14. FOR SALE. 996 lb. cream of tartar. Send offers to Box 4/30.

to Box 4/30.

FOR DISPOSAL, 1-oz., 2-oz. and 4-oz. toilet bottles and 10-oz. cylindrical ambers. In lots of not less than 2 gross. Write for samples and prices. Deb Chemical Proprietaries, Ltd., Spencer Rd., Belper, Derbys. FOR SALE. 350 doz. mascara brushes, 1/- per doz. 49 tins viscose caps, 5/- per tin. 233 gross of Creighton cold water dyes (assorted), 5/- per gross. 200 doz. marigold all-rubber soothers, 2/6 per doz. 16 lb. ol. eacalyptus, 5/- per lb. 4 lb. synthetic menthol, 40/- per lb. Box 4/17.

QUANTITY of nail varnish brushes for sale. Reply to Box 4/26.

SHOWCARDS. Silk screened in multi colours, from 1/- each. The most economical printing pro-

SHOWCARDS. Silk screened in multi colours, from 1/- each. The most economical printing process and the cleanest in finish. We specialise in manufacturing and wholesale chemists' lines. Let us prepare a card for one of your products. Alan Dick Studio, Park Ave., Tankerton, Kent.

SURPLUS quantity P.31 available. Offers invited.

SURPLUS quantity P.31 available. Offers invited. Box 4/50.

SURPLUS to requirements; 2 tons anhydrous lanoline, B.P., and small lot guaiacol crystals. Box 296, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

SURPLUS whale oil for disposal; 5-gallon drums, 20/- per gallon. Drums free, carriage paid. Crofts, 16 Bailey St., Oswestry, Shrops. SURPLUS. 2,000 gross amber peroxide rounds, 5-oz. bottles for sale, 15/6 per gross in one lot or split. Delivered London. Box 4/29.

SURPLUS. Triple pressed stearic acid available; also a few cwt. glycerine. Box 3/974.

TABLET COMPRESSING and granulating plant. The following new and unused machines surplus to re-equipment programme are offered for immediate sale: Manesty B.B.3 multiple punch rotary tablet compressing machines. Manesty stainless steelined mixing machines. Manesty stainless Approximately 90 gross 1-oz. white flint upright jars, complete with white enamelled caps and wads. Approximately 90 gross 1-oz. white flint upright jars complete with bronzed metal caps and wads. Approximately 50 gross 2-oz. long vials, c/mouth. Cartons free. Carriage paid. Samples on request. Box 4/43.

Cartons free. Carriage paid. Samples on request. Box 4/43.

700 GROSS plain extruded aluminium tubes and caps screwed. 15/16 in. mm. x 64/65 mm.; immediate delivery. Can be printed if required. Write Tinpacks, Ltd., 17 Shaftesbury Ave., W.1. Gerrard 8316-8317.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word APPROXIMATELY 1 cwt. of edible sheet gelatine. What offers? J. R. Gibbs, Ltd., Manor Ave., Paignton, S. Devon.

FOR SALE. Varley pump unit. \(\frac{1}{4}\)-gross capacity American lipstick mould, brand new. Two double-headed Gravfil vacuum fillers. Semi-automatic cream filler. Box 4/1.

cream filler. Box 4/1. 50 gross 4-oz. amber jars with lid and wad. 50 gross 2-oz. bakelite containers with lid in attractive plain and mottled colours. Best price to clear. Matts, Ceramyl Works, Diggle, Oldham, Lancs.

GLYCERINE FOR SALE; about 1 cwt. for immediate delivery. Offers per pound (delivered in London area) to Box 4/57.

OFFERS INVITED for 2-cwt. phenolphthalein, B.P.

OFFERS INVITED for 2-cwt. phenolphthalein, B.P. First reasonable offer accepted. Box 4/32. WYNSOMUL (replacing alcohol in perfume manufacture), five x 7-lb. tins, 5/6 per lb. Box 4/18. QUANTITY OF UNUSED, good quality optical frames for sale. Stock of optical department, now closed down. Apply for details, A. J. Freeman, Ltd., The Broadway, Newbury, Berks. SURPLUS. Rajah No. 6 adaptors to convert that camera to ordinary 120 film; in envelope with instructions, 12/- dozen. C.W.O. Also spare spools for Rajah No. 6 at the same price. Godfrey, 137 Wentworth Rd., London, N.W.11.

500,000 5-grain B.P. aspirin tablets for disposal at 2/10 per 1,000. Approx. 5 cwt. sulphur tablets for disposal. Accept reasonable offer. Box No. 442, G.P.O., Manchester.

WANTED

8/6 for 36 words or less, 3d. for every additional word

BOTTLES, 4-oz., Screw neck. Regular supplies required by London manufacturing chemists.

GLYCERINE REQUIRED. Manufacturing chemists wish to purchase glycerine, pharmaceutical quality, up to one ton. Offer to Box 4/3.

proone ton. Offer to Box 4/3.

POWDER MIXER required. Manesty or Pascall, 6 to 10 cu, ft., preferably motor driven. Offers to D.F., Ltd., 49 Grayling Rd., London, N.16.

SPEARMINT OIL. Any quantities urgently required. Offers to Box E.235, c/o Streets, 110 Old Broad St., London, E.C.2.

Officers to Box E.233, c/o streets, 110 Old Broad St., London, E.C.2.

STEARIC ACID, triple pressed, required in large quantities. Box 4/2.

STEARIC ACID, triple or good quality double-pressed, required in large or small quantities.

Officers to Box 3/884.

UNUSED TRADE MARKS, suitable for medici preparations required by leading firm of ma facturing chemists. Please reply with full parti lars to Box 4/20.

WANTED FOR EXPORT, 1-minute clinical therr meters, Fahrenheit scale, bleaching powder, s charine, glycerine, acid salicylic, B.P. K. T. M. chandani, 11 Mulgrave Rd., East Croydon, E land. Phone Cro. 0951.

wanted urgently. One or two carboy chargers, rubber lined or stainless steel, and 5-10 cubic feet capacity wood, enclosed type fi press. Box 4/7.

SALES BY AUCTION

Re E. MUNTON-Removed from Wimbledon Sale Convenience and Another Estate. 2/5 LITTLE BRITAIN (Close to G.P.O.), London, E.C.

CHEMISTS' STOCK of drugs, oils, syrt essences, ointments, Bovril, baby's foods, powd tonics, pills, creams, pastes, medicines, lozen washing powders, etc. Stock of fancy go Towel rails, dressing sets, manicure sets, mirr cife boves bridge and chess sets. Decora Towel rails, dressing sets, manicure sets, mirr trays, gift boxes, bridge and chess sets. Decora and other table ware. Cake stands, fruit squeez Ice cups, lamp shades, hanger sets, brushes, con sleeping dolls, etc. Chemists' and fancy go fixtures and showcases. Drug runs, wall and co ter showcases, dispensing screen, Q.S. tray tures, display fittings, glass shelves, cash till, sca

B. NORMAN & SON, will sell by Auction at their Sale Rooms as about Wednesday, July 14, at one o'clock. View prior and morning of sale.. Catalogues of Paster B. BOOTH, Esq., 14-17 Holborn Viaduct, E.0 and of the Auctioneers, Little Britain, E.C.1.



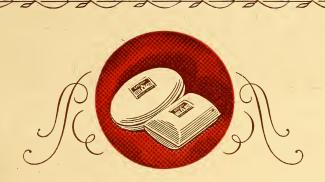
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